Statement of Purpose

My name is Orlando Ohashi, I'm Brazilian and I'm 27 years old. I have a Computer Science degree by the Centro Universitário do Pará/Brazil – CESUPA (University Center of the State of Pará), obtained from 1999 to 2002. I have the Master Degree in Electrical Engineering – Applied Computing by the UFPA (Universidade Federal do Pará - Federal University of Pará) fellow by Capes (Coordenação de Aperfeiçoamento de Pessoal de Nível Superior - Coordination of Improvement of Higher Education Staff) from 2003 to 2005. I worked in the MODAL FCT reseach project with Prof. Dr. Luis Torgo from Mar/2005 to Fev/2006, Porto-Portugal, with a grant from FCT (Fundação para a Ciência e a Tecnologia - Foundation for Science and Technology). In the year of 2004, I started to teach at_CESUPA graduation courses of Computer Science and Systems Information. I currently teach the subjects: Programming II - Advanced, Software Project Management and Theoretical Computation. Since Aug/2006 until now, I manage the Software Factory at CESUPA, that provides services of systems development and training.

With respect to my research experience, I can highlight the year I was at the University of Porto (UP), working on project MODAL. In that year I learned a lot, both in terms of research on data mining (the general topic of the project), as well as in terms of data mining technologies. Moreover, this year enabled me to get a better understanding on how research work evolves and also by being integrated at a large research group, LIAAD (former LIACC-NIAAD), to interact with researchers from different origins as well as having direct contact with very good professors. The research environment at LIAAD also enabled me to attend a lot of seminars given by foreign visitors, having access to a very good infrastructure that facilitates research work.

The MODAL (POSI / SRI / 40949 / 2001) project was motivated by a very clear and pratical goal with high social impact:- predicting algae blooms on Douro river. These phenomena have a direct impact on the water quality of the river from which most drinking water in the metropolitan area of Porto is collected. The main objectives of the project were the application, comparison and adaptation of several modelling techniques to the problem of predicting harmful algal blooms in the hydrographical bay of river Douro, namely in the reservoir of the Crestuma-Lever dam. In the MODAL project I was responsible for the adaptation and comparison of different models to find the best configuration of the models to the problem goal, predicting outliers. And develop an application desktop for interaction with the models created.

The research experience obtained during this year at Portugal was very important to motivate my decision to obtain a PhD working on the area of data mining. In effect, the work on project MODAL has shown me the practical interest and relevance of this research area. Thus motivating me to carry on working in this field. Recently I've run and won an FCT BI-M grant on a new research project named MORWAQ again on LIAAD and under the supervision of Prof. Dr. Luis Torgo. This is a 3 years grant and the work to be carried out in the project is, according to the project proposal, sufficiently inovative so as to fit in the context of a PhD thesis. It is in this context that I'm applying for the MAP-i PhD program. My goals are to both increase my knowledge by means of the subjects taught during the first year of the program and at the same time to use the work to be carried out within project MORWAQ as the basis of my PhD thesis under the supervision of Prof. Dr. Luis Torgo.

The MORWAQ project has as main goal to develop models that can be used for monitoring and predicting water quality parameter values in the context of a water distribution network. The project will address this general goal in the context of the distribution network managed by company Águas do Douro e Paiva (AdDP). SA, which is one of the institutions participating on this project, and is responsible for the water supply of the metropolitan area of Porto, the second largest city in the country. Monitoring and predicting water quality parameters is of key importance both to the company, which has legal limits to obey, but also to the public health, given the role of potable water on human life. In this context, AdDP carries out regular sampling procedures in

different points of the distribution network with the goal of monitoring a set of parameters related with water quality. The project will use the data resulting from these sampling procedures carried out through several years. The models we will develop using these data will address two main problems. The first problem is related to the monitoring activity over the large set of water quality parameters controlled by AdDP, with the goal of providing early warnings on eventual deviations according to the expected "normal" values. In this task, we will develop models that are able to discover these "normal" values for each parameter. The motivation for these models lies on the fact that AdDP has observed that the notion of normality of each parameter is dynamic (provided the legal limits are abeyed), varying across time and place in the network, with factors like the (seasonal and other) patterns of the demand. On this monitoring task we will use models form the areas of activity monitoring and deviation detection, wich will adapted to the particular application of AdDP. This adaptation will involve the use of dynamic limits of normality as well as spatial information related to the topology of the distribution network, leading to what we would call spatio-temporal monitoring models. The second main problem being address in the project is the prediction of extreme values on water quality parameters across the network, with the goal of allowing early preventive actions can be taken to avoid the subsequent problems. The predictive models to be develop will use the available historical data, exploring both eventual temporal patterns on the data as well as spatial patterns that may be found by the models. With this type of spatio-temporal models we plan to take advantage of the probable influences caused by the natural flux of water throughout the network. For this task we will adapt models for the prediction of rare extreme values that we develop before in the context of the research project MODAL, to data with spatio-temporal features as it is the case of the data set to be provided by AdDP. All models developed will be analyzed, applied and evaluated using data provided by AdDP, and with the help of company experts so as to better tune the models to the company real world problems.

My work within the project will address both these two main tasks described above. The thesis will thus be on the general area of spacio-temporal data mining that has been receiving increasing attention in the field. In particular we will be developing both monitoring and prediction models in the context of spatio-temporal data obtained from a sensor network. The models will be tested and evaluated on the AdDP water distribution network data. Given my previous involvement on a related problem, the knowledge I've acquired on the MODAL project, and the knowledge I already have of the research environment where the thesis work will be carried out, I think I have good conditions to suceed in this thesis project.

Orlando Shigueo Ohashi Junior

Curriculum Vitae

Personal Data

Name	Orlando Shigueo Ohashi Junior
Parents	Orlando Shigueo Ohashi e Orlandina Nylander Brito
Date of Birth	02/04/1981 - Belém/PA – Brazil
Sex	masculine
Nationality	Brazilian
Mail	ohashijr@gmail.com

Education

2003 - 2005 M. Sc. in Eletric Engineering - *Applied Computing*
Universidade Federal do Pará - UFPA, Belém, Pará, Brazil
Title: FrameworkRN: Framework 3D para Simulação de Redes Neurais, Finished on 2005
Supervisor: Prof. Dr. Roberto Célio Limão de Oliveira
Scholarship from: Coordenação de Aperfeiçoamento de Pessoal de Nível Superior - CAPES, Brazil.

Course Average 4 subjects with score E.
2 subjects with score B.
score: (E) excellent, (B) good, (R) regular e (I) inadequate.

1999 - 2002 B. Sc. in Computer Science.
Centro Universitário do Pará, CESUPA, Brazil
Title: Uma abordagem para o problema de seleção de ações no mundo Wumpus empregando agentes baseados em Redes Neurais
Supervisor: Prof. Dr. Gustavo Augusto Lima de Campos

Course Average score 8.56 in 60 subjects.
score between 0.00 and 10.00.

Complement Education

1999 - 1999 Course of Math - Conclusão do Estágio I de Matemática.
Kumon Instituto de Educação, KUMON, Brasil

2001 - 2001 Course of Math - Conclusão do Estágio L de Matemática.

Kumon Instituto de Educação, KUMON, Brasil

1996 - 2002   Advanced Course in English.
Cultura Inglesa, CULTURA INGLESA, Brazil

2003 - 2003   Short Course Oral Comunication - A Arte de Falar em Público.
Serviço de Apoio às Micro e Pequenas Empresas de Belém, Belem, SEBRAE/PA, Brazil

2006 - 2006   Short Course Teaching Estrategies - Metodologias Ativas na Sala de Aula.
Centro Universitário do Pará, CESUPA, Brazil

2008 - 2008   Short Course - Enterprise Java Beans.
Caelum - Ensino e Soluções em Java, CAELUM, Brazil

Tecnical Skills

1. O.S.

Ubuntu, Debian, Windows (XP).

2. Programming Languages

R, Java *(JSF, Servlet, JSP, JPA, Hibernate, Tomcat, Jboss, Glassfish, ejb3, JEE, JSE)*, PHP, Ruby, C.

3. DataBases

MySQL, PostgreSQL.

4. Tools

Netbeans, Emacs, Eclipse.

5. Others

Latex, subversion, dotProject, moodle.

Profissional Experience

1.   Centro Universitário do Pará - CESUPA

Activities

02/2004 - 07/2004 Teaching graduate program - Bacharelado em Ciências Ambientais
Subjects:
Informática Aplicada

08/2004 - 12/2004 Teaching graduate program – Information Systems Course
Subjects:
Informática Aplicada , Introdução a Informática , Lab. Programação Avançada III , Sistema de Bando de Dados

03/2006 - 07/2006 Teaching graduate program – Data Processing Course

Subjects:
Projeto Integrado (Programação)

08/2006 - 12/2006 Teaching graduate program – Computer Science Course

Subjects:
Estrutura de Dados , Fundamentos Teóricos da Computação , Projeto Integrado (Programação) , Projeto Integrado (Engenharia Software)

02/2007 - 07/2007 Teaching graduate program – Computer Science Course

Subjects:
Engenharia de Software , Fundamentos Teoricos da Computação , Laboratório de Programação (Java Avançado) , Projeto Integrado (Engenharia Software)

02/2007 - now Manager - Software Factory CESUPA

Activity:
Manager of Software Factory of CESUPA.

04/2007 - 06/2007 Teaching post-graduate program – Post-graduate in System Development

Subjects:
Programação para Ambiente Distribuidos

08/2007 - Atual Teaching graduate program – Computer Science Course

Subjects:
Laboratório de Programação II - Java , Gerencia de Projeto de Software , Fundamentos Teóricos da Computação

2. Universidade Porto - LIACC/NIAAD - LIACC/NIAAD

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Activities

03/2005 - 03/2006 Research

Research Lines:
Data Mining, Machine Learning

03/2005 - 03/2006 Research Projects

POSI/SRI/40949/2001 - MODAL - MODELOS DE PREVISÃO DA CONCENTRAÇÃO DE ALGAS NO RIO DOURO, UP, Porto, Portugal.

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Research Lines

1. Data Mining
2. Machine Learning

Projects

2005 - 2006   POSI/SRI/40949/2001 - MODAL - MODELOS DE PREVISÃO DA CONCENTRAÇÃO DE
ALGAS NO RIO DOURO
Status: Finished Type: Research
Sponser: Universidade do Porto - Fundação Gomes Teixeira-FGT - UP

Idioms

Understand   English (Fluently), Portuguese (Fluently)
Speak   English (Very Good), Portuguese (Fluently)
Read   English (Fluently), Portuguese (Fluently)
Write   English (Very Good), Portuguese (Fluently)

Certifications and Scholarship

2005   Research Project Scholarship, FCT - Portugal

2005   Certificado de Proficiência em Lingua Japonesa nível 4, Japan Education Exchanges and
Services

2005   Certified in Sun Certified Associate for Java Platform, Standard Edition, SUN
MICROSYSTEMS

2004   Master Scholarship, CAPES, Brazil.

Publications
Complete publications in events

1. OHASHI JUNIOR, O. S.
Experiments with Predicting Algae Blooms. 12th Portuguese Conference on Artifitial Intelligence. , 2005.

2. OHASHI JUNIOR, O. S., RIBEIRO, A., LIMAO, R., ARAUJO, M. V., ARRUDA, D., SIMOES, R.
Ferramenta Tridimensional para Redes Neurais Artificiais Utilizando Java 3D. Anais do XIX SEPAI / II CTIC
2005. , p.85 - 95, 2005.

3. OHASHI JUNIOR, O. S., LIMAO, R., RIBEIRO, A., ARRUDA, D., ARAUJO, M. V., SIMOES, R.
FrameworkRN: Framework 3D para Simulação de Redes Neurais Artificiais. VII Congresso Brasileiro de
Redes Neurais VIII Escola de Redes Neurais 2005. , 2005.

Complete publications in magazine

1. ARAUJO, M. V., OHASHI JUNIOR, O. S.

Uma arquitetura de software para framework que auxilie no desenvolvimento de padrões de projeto para redes neurais. Revista Saber - Revista do Centro Universitário do Estado do Pará. Belém-PA-Brasil, p.15 - 24, 2003.

Complete Graduation Final Project as Advisor

Graduation Final Project

1. Jessé de Barros Lobato. **BANCO DE DADOS INTEGRADO DE PERFIS GENÉTICOS DE VESTÍGIOS CRIMINAIS DA REGIÃO NORTE DO BRASIL**. 2007. Curso (Tecnologia de Processamento de Dados) - Centro Universitário do Estado do Pará

2. Daniel Alencar da Costa. **Frameworks Java para desenvolvimento web**. 2007. Curso (Tecnologo em Processamento de Dados) - Centro Universitário do Pará

3. Natalia Oliveira, Rick Lisboa e André Pacheco. **Gerenciador de Projeto utilizando a Tecnologia ADOBE FLEX**. 2007. Curso (Bacharelado em Ciência da Computação) - Centro Universitário do Pará

4. José Agostinho da Fonseca Júnior. **Uma Ferramenta Web Para Criação de Questionários Voltados para o Acompanhamento dos Egressos do CESUPA e para Extração de Informações**. 2006. Curso (Bacharelado em Sistema de Informação) - Centro Universitário do Estado do Pará

Events
Organized Events

1. SIMOES, R., OHASHI JUNIOR, O. S.
SUN Tech Day Belém, 2007. (Outro, Organização de evento)

Participation as examiner

Graduation Final Project

1. OHASHI JUNIOR, O. S.
Participação em banca de Sérgio Clayton Viana Pinheiro. **Desenvolvendo Aplicações de Visualização de Informação com Realidade Aumentada**, 2006
(Sistema de Informação) Centro Universitário do Pará

2. OHASHI JUNIOR, O. S.
Participação em banca de Cleyton Carlos Queiroz e Wagner Silva Torres. **Ferramenta de Apoio a Gerência de Projetos: Zeus - Gerenciando Projetos de Software**, 2006
(Sistema de Informação) Centro Universitário do Pará

3. OHASHI JUNIOR, O. S.
Participação em banca de Ricardo Almeida Mateus. **Intranet para Ambiente de EAD**, 2006
(Tecnologo em Processamento de Dados) Centro Universitário do Pará

4. OHASHI JUNIOR, O. S.

Participação em banca de Rodrigo Pinto Santana e Simone Cristina Cavalcante Amaral. **Redes Industriais**, 2006

(Tecnologo em Processamento de Dados) Centro Universitário do Pará

5. OHASHI JUNIOR, O. S., CARNEIRO, C., NOURA, O.

Participação em banca de EDUARDO HENRIQUE MERCES DE VASCONCELOS. **DESENVOLVIMENTO DE JOGOS: As Incríveis Aventuras do Papa-xibé**, 2005

(Tecnologo em Processamento de Dados) Centro Universitário do Pará

6. OHASHI JUNIOR, O. S., NOURA, O., ARAUJO, M. V.

Participação em banca de RONALDO ALVES DE OLIVEIRA. **Estudo de Ferramentas de Software para Detecção de MOTIFs em Bioinformática**, 2005

(Tecnologo em Processamento de Dados) Centro Universitário do Pará

7. OHASHI JUNIOR, O. S., ARAUJO, M. V., NOURA, O.

Participação em banca de ISMAELINO SOUTO ARAGAO JUNIOR. **Informatização e Digitalização de Prontuários de Pacientes**, 2005

(Tecnologo em Processamento de Dados) Centro Universitário do Pará

University Center of State of Pará

The dean of the University Center of State of Pará in the use of its attributions and in view of the conclusion of the **bachelor's course in Computer Science**, in 31/01/03, confers the degree of **Bachelor in Computer Science** to **ORLANDO SHIGUEO OHASHI JUNIOR**, been born in 02/04/81, natural of Belém/PA, identity card nº 3308874/Segup/PA and grants the present diploma to it, so that he can enjoy of all the legal rights and prerogatives

Belém March 21, 2003

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Dean

_____
Coordinator of Area

_____
Diplomee

_____
Coordinator of Course

GRADUATION DESCRIPTION
Bacharelor's Computer Science Course
Recognized for Ministerial n 660, March 7 2002

Name: ORLANDO SHIGUEO OHASHI JUNIOR   ID: 99070032
Initial Competition - year 1999

Classification:	22	Born: 02/04/1981	
Test I	50.00	City: Belém	
Test II	35.00	UF: PA	
Total Score	85.00	Nacionality: Brazilian	
		Identity Id: 3308874 Segup/PA	

Subject	*Hours*	*Final Score*	*Final Status*
1 period 1 semester/1999			
070113-Calculus Integral and Diferential I	100	8,75	CR
070126-Statistics	40	8,00	CR
070130-Analytical Geometry	60	9,00	CR
070151-Languages and Techniques of Programming I	100	8,65	CR
070158-Academic Methodology	40	9,00	CR
070161-Organization of Computers	80	7,90	CR
070162-Instrumental Portuguese I	40	8,50	CR
2 period 2 semester/1999			
070204-Algebra Linear	60	8,50	CR
070212-Calculus Integral and Diferential I	80	8,50	CR
070236-Instrumental English I	40	10,00	CR
070250-Languages and Techniques of Programming II	80	8,40	CR
070253-Logic for Computation	80	7,50	CR
070263-Instrumental Portuguese II	40	8,75	CR
070265-Probability	40	7,00	CR
070282-Operational Systems I	80	9,50	CR
3 period 1 semester/2000			
070314-Digital Logical Circuits	80	8,40	CR
070320-Economy I	40	7,00	CR
070328-Structure of Programming I	100	8,25	CR
070337-Instrumental English II	40	100,00	CR
070356-Discrete Mathematics I	60	7,95	CR
070367-Logic Programming	60	7,25	CR
070383-Operational Systems II	80	9,75	CR
4 period 2 semester/2000			
070403-Managemental Administration	60	7,25	CR
070406-Architecture of Computers	80	7,30	CR
070417-Accounting I	60	10,00	CR
070421-Economy II	40	7,25	CR
070427-Structure of Programming II	80	9,50	CR
070438-Instrumental English III	40	9,50	CR

Subject	Hours	Final Score	Final Status
070457-Discrete Mathematics II	60	8,25	CR
070468-Object Oriented Programming	60	7,00	CR
5 period 1 semester/2001			
070509-Data Bases I	80	9,75	CR
070518-Accounting II	60	10,00	CR
070539-Instrumental English IV	40	9,50	CR
070570-Computers Network I	80	7,35	CR
070586-Theory of Computing	60	9,00	CR
070588-Theory of Automatos	60	9,60	CR
070589-General Theory of Systems	80	9,50	CR
6 period 2 semester/2001			
070610-Data Bases II	80	8,50	CR
070624-Software Enginnering I	80	7,10	CR
070671-Computers Network II	80	8,00	CR
070678-Systems of Information I	80	10,00	CR
070684-Teleprocessing	60	8,50	CR
070685-Theory of the Complexity	60	8,00	CR
070687-Theory of the Formal languages	60	8,70	CR
7 period 1 semester/2002			
070716-Graphical Computation	60	8,65	CR
070723-Engineering of Software II	60	8,25	CR
070734-Computer Science in the Education	60	8,25	CR
070740-Artificial intelligence	60	7,90	CR
070754-Computational Mathematics	60	8,75	CR
070759-Methodology of the Scientific Work	40	7,75	CR
070780-Distributed Systems	80	7,00	CR
8 period 2 semester/2002			
070815-Compilers	80	7,00	CR
070825-Supervised Period of Training	320	9,25	CR
070833-Computer Science and Enterprise	40	10,00	CR
070841-Human-Machine Interface	60	9,00	CR
070866-Distributed and Parallel Programming	60	8,25	CR
070869-Project and Analysis of Algorithms	60	9,00	CR
070879-Systems of Information II	60	9,75	CR
070881-Multimedia Systems	60	9,00	CR
070891-Work of Conclusion of Course	40	9,50	CR
Complementary Activities			
079902-Administration of Data base	40	-	CR
079929-Philosophy	30	-	CR
079932-Strategical management of the Information	40	-	CR
079943-Laboratory of Programming I – Language C	30	-	CR
079946-Laboratory of Computer networks	40	-	CR

Subject	Hours	Final Score	Final Status
0799A8-Special Topics in Computation I – Coreldraw	30	-	CR
0799A9-Creation of Sites for Web	40	-	CR
0799B1-Special Topics in Computation II - Operational systems	30	-	CR
0799B3-Laboratory of Digital Logical Circuits	40	-	CR
0799B4-Special Topics in Computation	60	-	CR
Total Hours	380		

Status Options- CT (transferred credit), RF (disapproved for frequency), CR (credited), NC (not credited), DS (dismissed), CS (coursing)

Obs: the minimum average for approval is 7 in all disciplines.

Belém March 26, 2003.

_____
Responsable

_____
Coordinator

HISTORICO ESCOLAR

CURSO DE BACHARELADO EM CIÊNCIA DA COMPUTAÇÃO

Reconhecido pela Portaria Ministerial n. 660, de 7 de marco de 2002

NOME: ORLANDO SHIGUEO OHASHI JUNIOR

CESUPA
Belém-PA

MATRICULA: 99070032

CONCURSO VESTIBULAR - ANO: 1999

CLASSIFICACAO............: 22o

PROVA I.................: 50.00
PROVA II................: 35.00

TOTAL DE PONTOS..........: 85.00

------N A S C I M E N T O------
DATA..........: 02/04/81
CIDADE.......: BELEM
UF...........: PA
NACIONALIDADE: BRASILEIRO
----------IDENTIDADE----------
NUMERO.......: 3308874
ORGAO EMISSOR: SEGUP/PA

--------------------------DISCIPLINA-------------------------	C.HOR TOTAL	MEDIA FINAL	SIT FINAL
1o PERIODO - 1o. SEMESTRE/1999			
070113 CALCULO DIFERENCIAL E INTEGRAL I	100	8,75	CR
070126 ESTATISTICA	040	8,00	CR
070130 GEOMETRIA ANALITICA	060	9,00	CR
070151 LINGUAGENS E TECNICAS DE PROGRAMACAO I	100	8,65	CR
070158 METODOLOGIA ACADEMICA	040	9,00	CR
070161 ORGANIZACAO DE COMPUTADORES	080	7,90	CR
070162 PORTUGUES INSTRUMENTAL I	040	8,50	CR
2o PERIODO - 2o. SEMESTRE/1999			
070204 ALGEBRA LINEAR	060	8,50	CR
070212 CALCULO DIFERENCIAL E INTEGRAL II	080	8,50	CR
070236 INGLES INSTRUMENTAL I	040	10,00	CR
070250 LINGUAGENS E TECNICAS DE PROGRAMACAO II	080	8,40	CR
070253 LOGICA PARA COMPUTACAO	080	7,50	CR
070263 PORTUGUES INSTRUMENTAL II	040	8,75	CR
070265 PROBABILIDADE	040	7,00	CR
070282 SISTEMAS OPERACIONAIS I	080	9,50	CR
3o PERIODO - 1o. SEMESTRE/2000			
070314 CIRCUITOS LOGICOS DIGITAIS	080	8,40	CR
070320 ECONOMIA I	040	7,00	CR
070328 ESTRUTURAS DE DADOS I	100	8,25	CR
070337 INGLES INSTRUMENTAL II	040	10,00	CR
070356 MATEMATICA DISCRETA I	060	7,95	CR
070367 PROGRAMACAO EM LOGICA	060	7,25	CR
070383 SISTEMAS OPERACIONAIS II	080	9,75	CR
4o PERIODO - 2o. SEMESTRE/2000			
070403 ADMINISTRACAO GERENCIAL	060	7,25	CR
070406 ARQUITETURA COMPUTADORES	080	7,30	CR
070417 CONTABILIDADE I	060	10,00	CR
070421 ECONOMIA II	040	7,25	CR
070427 ESTRUTURA DE DADOS II	080	9,50	CR
070438 INGLES INSTRUMENTAL III	040	9,50	CR
070457 MATEMATICA DISCRETA II	060	8,25	CR
070468 PROGRAMACAO ORIENTADA A OBJETO	060	7,00	CR
5o PERIODO - 1o. SEMESTRE/2001			
070509 BANCO DE DADOS I	080	9,75	CR
070518 CONTABILIDADE II	060	10,00	CR
070539 INGLES INSTRUMENTAL IV	040	9,50	CR
070570 REDES DE COMPUTADORES I	080	7,35	CR
070586 TEORIA DA COMPUTABILIDADE	060	9,00	CR
070588 TEORIA DOS AUTOMATOS	060	9,60	CR
070589 TEORIA GERAL DE SISTEMAS	080	9,50	CR
6o PERIODO - 2o. SEMESTRE/2001			
070610 BANCO DE DADOS II	080	8,50	CR
070624 ENGENHARIA SOFTWARE I	080	7,10	CR
070671 REDES DE COMPUTADORES II	080	8,00	CR
070678 SISTEMAS DE INFORMACAO I	080	10,00	CR

HISTORICO ESCOLAR

CURSO DE BACHARELADO EM CIÊNCIA DA COMPUTAÇÃO

Reconhecido pela Portaria Ministerial n. 660, de 7 de marco de 2002

NOME: ORLANDO SHIGUEO OHASHI JUNIOR

MATRICULA: 99070032

DISCIPLINA	C.HOR TOTAL	MEDIA FINAL	SIT FINAL
6o PERIODO - 2o. SEMESTRE/2001			
070684 TELEPROCESSAMENTO	060	8,50	CR
070685 TEORIA DA COMPLEXIDADE	060	8,00	CR
070687 TEORIA DAS LINGUAGENS FORMAIS	060	8,70	CR
7o PERIODO - 1o. SEMESTRE/2002			
070716 COMPUTACAO GRAFICA	060	8,65	CR
070723 ENGENHARIA DE SOFTWARE II	060	8,25	CR
070734 INFORMATICA NA EDUCACAO	060	8,25	CR
070740 INTELIGENCIA ARTIFICIAL	060	7,90	CR
070754 MATEMATICA COMPUTACIONAL	060	8,75	CR
070759 METODOLOGIA DO TRABALHO CIENTIFICO	040	7,75	CR
070780 SISTEMAS DISTRIBUIDOS	080	7,00	CR
8o PERIODO - 2o. SEMESTRE/2002			
070815 COMPILADORES	080	7,00	CR
070825 ESTAGIO SUPERVISIONADO	320	9,25	CR
070833 INFORMATICA E EMPREENDIMENTO	040	10,00	CR
070841 INTERFACE HOMEM-MAQUINA	060	9,00	CR
070866 PROGRAMACAO DISTRIBUIDA E PARALELA	060	8,25	CR
070869 PROJETO E ANALISE DE ALGORITMOS	060	9,00	CR
070879 SISTEMAS DE INFORMACAO II	060	9,75	CR
070881 SISTEMAS MULTIMIDIA	060	9,00	CR
070891 TRABALHO DE CONCLUSAO DE CURSO	040	9,50	CR
ATIVIDADES COMPLEMENTARES CURSADAS COM APROVEITAMENTO			
079902 ADMINISTRACAO DE BANCO DE DADOS	040	-	CR
079929 FILOSOFIA	030	-	CR
079932 GERENCIA ESTRATEGICA DA INFORMACAO	040	-	CR
079943 LABORATORIO DE LINGUAGEM DE PROGRAMACAO I - LINGUAGEM C	030	-	CR
079946 LABORATORIO DE REDES DE COMPUTADORES	040	-	CR
0799A8 TOPICOS ESPECIAIS EM COMPUTACAO I - CORELDRAW	030	-	CR
0799A9 ENGENHARIA DA INFORMACAO E CRIACAO DE SITES PARA WEB	040	-	CR
0799B1 TOPICOS ESPECIAIS EM COMPUTACAO II - SISTEMAS OPERACIONAIS	030	-	CR
0799B3 LABORATORIO DE CIRCUITOS LOGICOS DIGITAIS	040	-	CR
0799B4 TOPICOS ESPECIAIS EM COMPUTACAO	060	-	CR
CARGA HORARIA TOTAL	380		

SIT. FINAL- CT(CREDITO TRANSFERIDO), RF(REPROVADO POR FREQUENCIA), CR(CREDITADO)
NC(NAO CREDITADO), DS(DISPENSADO), CS(CURSANDO)

OBS: MEDIA MINIMA PARA APROVACAO E 7,0(SETE) POR DISCIPLINA

BELEM - PARA, 26 DE marco DE 2003

Eveline Lima Ribeiro
S E C R E T A R I O
Secretaria Geral

Conceicao Raquel Fuzeto de Araujo
C O O R D E N A D O R
Diretora da A C E.T

Centro Universitário do Estado do Pará

O Reitor do Centro Universitário do Estado do Pará, no uso de suas atribuições
e tendo em vista a conclusão do **Curso de Bacharelado em Ciência da Computação**,
em **31/01/2003**, confere o título de **Bacharel em Ciência da Computação** a
ORLANDO SHIGUEO OHASHI JUNIOR
nascido(a) em 02/04/81, natural de BELÉM/PA, portador(a) da Carteira de Identidade
nº 3308874/SEGUP/PA e outorga-lhe o presente Diploma, a fim de que possa gozar de
todos os direitos e prerrogativas legais.
Belém, 21 de março de 2003.

_____
Reitor
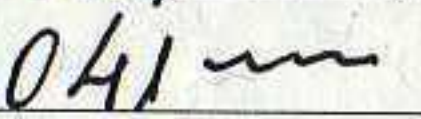
_____
Coordenador da Área

_____
Diplomado

_____
Coordenador do Curso

9920207032

Ministério da Educação
CENTRO UNIVERSITÁRIO DO ESTADO DO PARÁ
SECRETARIA ACADÊMICA

Diploma registrado sob o nº _061_ ,

livro _7CC1/02_ , folha _041_

Em _27_ / _03_ / _2003_

Eliseu
Secretária Acadêmica

Registro feito por delegação de
competência do Ministério da Educação
conforme Parecer CNE/CES nº 250/2002
(§ 1º, art 11 do Decreto 3.860, de 9 de julho de 2001).

BACHARELADO EM CIÊNCIA DA COMPUTAÇÃO
Reconhecido pela Portaria Ministerial Nº660,
de 7 de março de 2002.

000096

Federative Republic of Brazil

Ministry of Education

Federal University of Pará

The dean of the Federal University of Pará in the use of its attributions and in view of the defense of dissertation in 18 of February of 2005 and conclusion of the master course in the technological center for **ORLANDO SHIGUEO OHASHI JUNIOR**, been born in Belém/PA, in day 02 of April of 1981, forwards the present diploma of **MASTER IN ELECTRIC ENGINEERING**: Applied Computing.

Belém July 18, 2005

_____
Dean

_____
Diretor of Center

_____
Diplomee

_____
Coordinator of Course

FEDERAL UNIVERSITY OF PARÁ
TECNOLOGIC CENTER
MASTER PROGRAM IN ELECTRICAL ENGINNERING

DECLARATION

For ends of curricular evidence we declare that ORLANDO SHIGUEO OHASHI JUNIOR, student registration 2003004097, is regularly registered in the 1º semester of 2004 attended a course in the master program having credited the disciplines in this master program of Electric Engineering, with the respective periods, credits and concepts.

PERIODS	SUBJECT	CREDITS	HOURS	CONCEPTS
1º/2003	PEE-0548- Neural Networks	04	60	EXC
1º/2003	PEE-0547-Simbolic Artificial Intelligence	04	60	GOOD
1º/2003	PEE-0549-Fuzzy Systems	04	60	GOOD
2º/2003	PEE-0558-Distributed Object Programming	04	60	EXC
2º/2003	PEE-0558-Virtual Reality	04	60	EXC
2º/2003	PEE-0557-Evolutionary Computation	04	60	EXC

Belém July 01, 2004

Prof. Dr. ROBERTO CÉLIO LIMÃO DE OLIVEIRA
Coord. Master Program in Electrical Enginnering

UNIVERSIDADE FEDERAL DO PARÁ
CENTRO TECNOLÓGICO
PROGRAMA DE PÓS-GRADUAÇÃO EM ENGENHARIA ELÉTRICA

DECLARAÇÃO

Para fins de comprovação curricular declaramos que **ORLANDO SHIGUEO OHASHI JÚNIOR,** matrícula nº 2003004097 , aluno regularmente matriculado no 1º semestre de 2004 cursou no Mestrado as disciplinas com aproveitamento neste Programa de Pós-Graduação em Engenharia Elétrica com os respectivos períodos, créditos e conceitos.

PERIODO	DISCIPLINA	CR	CH.	CONCEITO
1º/2003	PEE-0548 – Redes Neurais	04	60	EXC
1º/2003	PEE-0547 – Inteligência Artificial Simbólica	04	60	BOM
1º/2003	PEE-0549– Sistemas Fuzzy	04	60	BOM
2º/2003	PEE-0558 – Tóp. Esp. Em Comp. Aplic.: Programação de Objetos Distribuídos	04	60	EXC
2º/2003	PEE-0558 – Tóp. Esp. Em Comp. Aplic.: Realidade Virtual	04	60	EXC
2º/2003	PEE-0557 – Computação Evolucionária	04	60	EXC

Belém, 01 de julho de 2004

Prof. Dr. ROBERTO CÉLIO LIMÃO DE OLIVEIRA
Coord. Do Programa de Pós Graduação em Eng. Elétrica

República Federativa do Brasil
Ministério da Educação
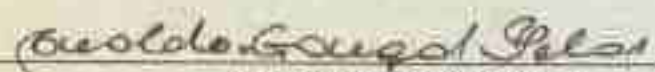**Universidade Federal do Pará**

O Reitor da Universidade Federal do Pará no uso de suas atribuições e tendo em vista a defesa de dissertação em 18 de fevereiro de 2005 e a conclusão do Curso de Pós-Graduação no CENTRO TECNOLÓGICO por **ORLANDO SHIGUEO OHASHI JUNIOR**, nascido em Belém/PA, no dia 02 de abril de 1981, expede o presente Diploma de **MESTRE EM ENGENHARIA ELÉTRICA:** Computação Aplicada.

Belém(PA), 18 de julho de 2005

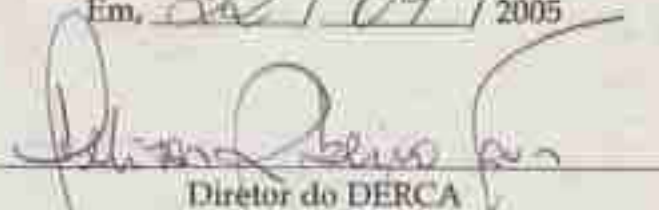Reitor

Diplomado
CPF Nº 518 461 812-04

Diretor do Centro

Coordenador do Curso

MINISTÉRIO DA EDUCAÇÃO
UNIVERSIDADE FEDERAL DO PARÁ
DEPARTAMENTO DE REGISTRO E CONTROLE ACADÊMICO

Diploma Registrado sob o n.º _____ 2007 _____

Livro _____ PG/R-11 _____ Folha _____ 007 _____

Em, _____ 22 _____ / _____ 09 _____ / 2005

_____
Diretor do DERCA

Registro feito por delegação de competência do Ministério da
Educação conforme Portaria nº 613/63 e nº 7/64

Luís Torgo
R. Ceuta, 118, 6º - 4050-190 Porto
Telf: + 351 22 339 2093
Fax : 22 339 2099
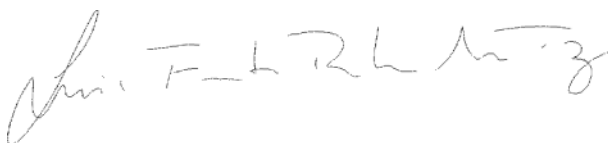email: ltorgo@liacc.up.pt
URL: http://www.liacc.up.pt/~ltorgo

To Whom It May Concern

Orlando Shigueo Ohashi Junior has worked under my supervision during one year in the context of a research project (Project MODAL, http://liaad.inescporto.pt/modys/projects/modal) of which I was the principal investigator.

My general opinion of Orlando Ohashi is that he is a very good prospective student. Along the time he was involved in the research carried out during the project, he has always shown good capabilities both technical as well as in terms of basic research. He has fulfilled successfully all tasks that were assigned to him during the project. He has also shown good programming skills and was able to very quickly learn new tools that were presented to him during this year, thus showing very good learning capabilities. Orlando Ohashi has a very good working discipline as well as a strong will to learn more. He has also shown initiative by providing good suggestions to the work of the project.

In summary, I would classify Orlando Ohashi as a very good prospective student for a PhD program given my one year experience with him in a research context.

Porto, 16 of April 2008

Luís Torgo, PhD
LIAAD/INESC Porto LA
University of Porto

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Date: Mon, 05 May 2008 10:22:58 -0300
From: "Sergio Fiuza de Mello Mendes" <sergio@cesupa.br>
To: mapi@map.edu.pt
Cc: sergio@cesupa.br
Subject: letter of recommendation

Dear Sirs,

It is indeed very grateful for me to recommend Professor Orlando Ohashi, who
is interested in attending to post-graduation level studies at Porto
University.
This professional, whom Iâ/—ve known since 2004, has shown considerable
evolution and good performance in the development of his academical
activities, amongst which I point out his vocation to lead study groups
concerning specific themes, in which he fulfills an essential role as tutor,
not to mention his interest in research.
Besides his known technical competence, Professor Orlando Ohashi has
demonstrated leadership and management skills, as the manager of our
Software Factory.
Considering his personal qualities, I consider relevant to stand out his
discipline and determination while facing the eventual challenges in his
way.
Thus, I believe that the above mentioned Professor will successfully
accomplish the objectives suggested by the program.
With my best regards,

Prof. Sérgio Fiuza de Mello Mendes
Vice-Rector
Centro Universitário do Estado do Parã¡-CESUPA
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