

134 College Ave

Orono, Maine 04473

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EDUCATION

University of Maine – (GPA 3.9)

- MBA Concentration: Decision Science *May 2008*

University of Maine – (GPA 3.3) – May 2006

- B.Sc. Computer Engineering Minor: Biomedical Engineering
- B.Sc. Electrical Engineering

TECHNICAL EMPLOYMENT

Data Technician Intern – (BrickNet Information Technologies) – Summer 2007

- Provided Network and Server Management support to BrickNet and its clients
- Assisted in the installation and support of Avaya VoIP Partner & IP Office systems
- Researched and Planned the implementation of Microsoft CRM & SharePoint solutions

Graduate Assistant – (University of Maine, Maine Business School) – September 2006 to Present

- Lectured a Management Information Systems class for 60 undergraduates
- Deployed and administered SharePoint 2007 Server for a Knowledge Management graduate class
- Assisted in the development of a small business portal for Maine entrepreneurs

Network Administrator – (University of Maine, Dept. of Chemistry) – February 2002 to August 2006

- Managed a small heterogeneous Network of Linux, Unix, Mac and Windows servers and clients
- Created, maintained and administered a UMaine (Dept. of Chemistry) faculty member's website
- Repaired, maintained and upgraded network appliances and recommend new equipment for purchase

Research Asst – (University of Maine, Dept. of Chemistry – Dr. Jay Rasaiah) – February 2002 to August 2006

- Conducted Molecular Dynamics simulations of water between plates in the presence of electric fields
- Extensively used DLPOLY to model bulk water systems on a Linux HPC (Supercomputer)
- Processed large data files using custom-made Visual Basic.NET desktop applications

Network Design & Engineering Intern – (Petroleum Company of Trinidad & Tobago Ltd) – Summer 2002

- Supported IT and Telecom Engineers in the implementation of a Nortel Networks BCM-based network
- Assisted in the supervision of contractors during on-site network infrastructure installations
- Aided in the delivery of Computer Hardware & Software training for company employees

HIGHER EDUCATION EMPLOYMENT

Summer Resident Director – (University of Maine, Resident Life & Programs) – Summer 2005

- Supervised a two-person staff of undergraduate Resident Assistants
- Assisted in the interviewing of applicants for Assistant Director of Res. Life (Prof. fulltime position)
- Promoted, disseminated and enforced university policies

Assistant Village Coordinator – (University of Maine, Resident Life & Programs) – Spring 2005 and Fall 2005

- Promoted and enforced responsible lifestyle choices in apartment-style upperclassman housing
- Offered mediation and conflict resolution services to residents as requested or necessary
- Participated in the interviewing of new applicants for vacant Assistant Village Coordinator positions

Assistant Resident Director – (University of Maine, Resident Life & Programs) – Fall 2004

- Facilitated the re-location of residents from temporary housing to permanent campus housing
- Managed a 66 person Apartment-style residence facility
- Connected residents in temporary housing to campus lifestyles available in permanent housing

TECHNICAL QUALIFICATIONS AND SKILLS

Engineering Certification

- Certified Engineering-Intern (EIT Maine Board of Licensure for Professional Engineers)

Printed Circuit Board Design and Manufacturing (Team Senior Project Design at University of Maine)

- Schematic drawing and circuit board layout using CADSOFT Eagle
- Etching, tin plating and soldering of SMT devices on double-sided circuit boards for prototyping

Embedded Systems (Team Senior Project Design of an MP3 Player at University of Maine)

- Experience with PIC16, PIC18 and HC11 microprocessors (as well as STA013 MP3 Decoder-on-Chip)
- Familiarity with I²C, SPI, USART, Compact Flash and MMC standards (PIC implementations)

VLSI Design

- System-on-Chip (ASIC) design and layout using Cadence
- Op-Amp Design and Layout (http://www.eece.maine.edu/vlsi/2006/Fortune/ECE547_FortuneDDS.pdf)

Microsoft

- Microsoft Certified Systems Engineer – Windows NT 4.0
- Migrating Windows NT-based networks to Windows 2000

CompTIA

- Certified CompTIA A+ PC Repair Technician

Fiber Optics

- Fiber Optics Plant Design, Installation, Troubleshooting & Maintenance

Customer Service

- Exceptional Customer Service Training (2 day course)

Selected Software Proficiency

- Dreamweaver – Web design & management
- C / Visual C++ – Linux / Win32 application development
- Visual Studio 2005 – Desktop application development for processing of large data files (VB.NET)
- MS Office 2007 – Word, Excel, Access, Outlook, Publisher, FrontPage, PowerPoint, Groove
- Oracle iSQL Plus – Data Mining, Database Management
- Cisco IOS – Configuration & management of Cisco PIX & Edge devices
- Windows 2003 – Enterprise & Small Business Server configuration & management

SELECTED PROJECTS & PRESENTATIONS

Senior Project Design and Presentation

- Product life cycle execution of a PIC18-based MP3 Player with MMC flash storage
- Delivered complete product and process documentation, and presented results to faculty and students

MEAD West Vaco Statistical Process Control Report

- Analyzed weight data for a double-sided paper coating process to determine process stability
- Presented statistical analysis results to MEAD in the form of a written report

Maine Public Broadcasting Network (MPBN) Membership Strategy Presentation

- Analyzed MPBN's memberships growth strategy
- Presented solutions to stop the trend of declining membership to MPBN Executive Officers

SELECTED COURSES

- Business & Technical Writing
- Databases & Data Mining in Industry
- Knowledge Management & Decision Support Systems

CAMPUS & COMMUNITY INVOLVMENT**Vice President of Career Development & Learning for the Univ. of Maine MBA Association – *Fall 06 to Fall 07***

- Coordinated career exploration and advancement events for MBA and MSA students
- Developed an MBA Association collaboration portal

Radio Announcer / DJ with WMEB 91.9 FM – *Spring 2007 to Fall 2007*

- Hosted a Caribbean and World Music radio show on a not-for-profit campus radio station

Member of the Living Learning Community Taskforce – *Fall 2004 to Spring 2005*

- Created and Presented a proposal for the TREE HOUSE Agri-Science Living Learning Community
- Wrote the statement of purpose and preliminary program description for a Social Justice LLC

Member of Alpha Gamma Rho (Agriculture Science Fraternity) – *Fall 2002 to Present*

- Managed the affairs of the UMaine chapter house in my capacity as the Live-in Advisor
- Aided in the delivery of programming to the TREE HOUSE Living Learning Community
- Worked as a member of AGR's Wreck & Restore Crew to improve residence hall game room facilities

Secretary of the Black Student Union – *Spring 2004*

- Assisted BSU presidents and Dir. of Multicultural Programs in planning Black History Month events
- Photographed selected Black History Month events for BSU archive

Engineering Senator for the Univ. of Maine Student Government Inc. – *Fall 2003 to Spring 2004*

- Represented College of Engineering students at the General Student Senate
- Worked as a member of the student senate Recruitment and Retention Committee

President of the International Students Association – *Fall 2002 to Spring 2003*

- Managed the multicultural affairs of a student organization that represents nearly 500 students
- Planned and implemented new and traditional cultural events for the UMaine and Orono communities
- Sourced and managed funding of up to \$3200 per year for cultural events

AWARDS, HONORS AND MEMBERSHIPS**Academic**

- Graduate Assistantship from the Maine Business School and MIS Department
- 2002 recipient of the Waldo M. Libby Scholarship (UMaine – Dept. of Electrical & Computer Eng.)
- 2001 recipient of a University of Maine Presidential Scholarship
- Dean's List from Fall 2001 to Spring 2003
- National Society of Collegiate Scholars inductee
- Pi Mu Epsilon Math Honors inductee

Service

- Named 2005 Emerging Student Leader for work done on Living Learning Communities

INTERPERSONAL AND COMMUNICATION SKILLS**Team Work**

- Worked in a two-person Senior Project team to design, and prototype a hardware-based MP3 Player
- Currently working as part of a research team studying molecular dynamics of confined water systems
- Interned as a member of the Network Design & Engineering Team at Petrotrin Ltd.

Oral and Written

- Created and presented a proposal for one of UMaine's first Living & Learning Communities
- Co-designed and co-lectured a Computer Literacy course for Petrotrin Ltd.

Leadership

- Interpreted and administered the Student Conduct Code as a Conduct Code Committee member
- Promoted career exploration and development as a Vice President of the MBA Association
- Managed multicultural student affairs in my capacity as President of the International Students Assoc.
- Received over 25 hours of Leadership Development training at the University of Maine