

DUSTIN CHARLES BURKE

EDUCATION

Boston University - Boston, MA

- B.A., **Mathematics** and **Computer Science** Cum Laude
- G.P.A. 3.3/4.0 (Dean's List 2 semesters)
- Honors Program, University Scholar

University of Massachusetts - Lowell, MA

- Dual Enrollment Program. G.P.A. 3.8/4.0 (16 credits)

Related Courses

Software Engineering	Programming Languages
Analysis of Algorithms	Networking
Computer System Fundamentals	Advanced Database Applications
Artificial Intelligence	Computer System Design

Skills

C#, ASP.NET, C/C++, Java, VB.NET, Coldfusion, PHP, MySQL, Apache, SQL Server, XML, CSS, XSLT, XSD, Javascript, Scheme, SML, MIPS Assembly, Matlab, Mathematica, Microsoft Office

Class Projects

Blog, Client/Server Socket Programming, Facial Recognition, Neural Network, Chess, Blackjack in Scheme, M/M/1 Queueing System Simulator, Neural Model Simulations in Matlab, Performance Analysis of Processor Scheduling, ALU/CPU digital design, R-Tree Nearest Neighbor Query, Apriori Data Mining Rule Generation, Hash Table for Distributed Sensor Network

Research Interests

Data Schema Management, Ontologies, Semantic Web Technologies, Software Agents, Supervised / Unsupervised Learning, Mathematical Cognitive Models of the Brain, Data Mining, Clustering, Classification, Agile Development Methodologies, Philosophy of the Mind

WORK EXPERIENCE

Milcord LLC - Waltham, MA

Software Engineer (June 2006 – present)

- User Interface development / rapid application prototyping for Intelligent Agent Application
- Front-end for Knowledge Base server
- Architected and designed system bridging web application and Windows service process

Analog Devices, Inc. - Wilmington, MA

Software Systems Engineering Intern (Summer 2005)

- Ported intranet portal framework for Worldwide Manufacturing group (~500 engineers)
- Developed implementation strategy for taxonomy-based content management

Physical Therapy Center - Boston, MA

IT Consultant (Summer 2004)

- Researched implementation for Tablet-PC documentation system (EMR), mid-sized clinic (10+ full-time physicians, 100+ patients per week), submitted recommendation that was implemented.

Boston University Computer Science Department

Course Grader (Spring and Fall 2004, Spring 2006)

AdLab Advertising Agency - Boston, MA

Vice President of Interactive Services, Production Manager (Fall 2004-Fall 2005)

- Final creative approval on interactive client work (30+ clients per semester)
- Technical consultant to students (~150 students per semester)\
- Developed agency website using Flash Actionscript showing portfolio samples, collaborated on visual design

Freelance - Boston, MA

Web Developer and Designer (Spring 2004-Spring 2006)

- Clients include advertising agencies, student clubs and organizations, non-profit organizations, sole proprietors (10+ clients)
- Designed sites entirely in Flash or integrated Flash components in static webpage