

ROBERT H. HOLDER, III

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EDUCATION

University of Maryland-Baltimore Country, Baltimore, MD (current)
Doctor of Philosophy in Computer Science, started Jan 2004, in progress
GPA: 3.7/4.0

Tulane University, School of Engineering, New Orleans, LA
Master of Science in Computer Science, December 2000
Thesis: "Modeling Databases Containing Uncertain Data
with Extensible Markup Language (XML)"
GPA: 3.6/4.0
Honors:
Dean's Honor Scholarship recipient
Tulane Engineering/Computer Science Honor Society

Tulane University, School of Engineering, New Orleans, LA
Bachelor of Science in Computer Science, May 1999
GPA: 3.2/4.0
Honors:
Dean's Honor Scholarship recipient
National Achievement Scholarship recipient
Academic Dean's List, four semesters

PROFESSIONAL EXPERIENCE

Software Research Engineer, August 2000-current
Johns Hopkins University Applied Physics Laboratory, Laurel, MD

- Research the application of artificial intelligence techniques to complex resource allocation problems and modeling & simulation classification
- Design and implementation of web architectures for biological experimental data collection, space data resource access, satellite communication request submission, and model & simulation compatibility analysis
- Design and implementation of middleware architectures and applications to support inter-satellite management system communication, computer vulnerability information retrieval, and biological experimental analysis

Intern Software Engineer, June 1999-August 1999
General Electric Medical Systems, Mount Prospect, IL

- Researched and designed methods to internationalize the GE WebLink web application
- Implemented internationalization within WebLink using Java, JavaScript, LiveConnect, DHTML, and HTML

TEACHING EXPERIENCE

Adjunct Professor, June 2002 – August 2004
Johns Hopkins University Whiting School of Engineering, Laurel, MD
Engineering and Applied Science Programs for Professionals

- Presented the concepts of Data Structures, Computer Science 605.202

Adjunct Professor, September 1999-December 1999
Tulane University, School of Engineering, New Orleans, LA

- Presented the concepts of Symbolic Computing, CPSC 319-01
- Presented the syntax and use of the Scheme language