

David Thulson

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Education

M.S., **Computer Science**, Expected Graduation: Summer 2009
University of Illinois at Chicago, Chicago, IL
· Current Grade Point Average: 3.87 / 4.00

B.S., **Computer Science**, Graduated: May 2004
Wheaton College, Wheaton, IL
· Cumulative Grade Point Average: 3.48 / 4.00

Skills

- Programming in many languages including: Assembly, C/C++, Java, Delphi, Perl, Python
- Designing, developing, and maintaining critical production software
- Extensive programming in Windows, Linux, and BSD environments, including cross-platform development
- Experience in team software development using version control systems
- Experience managing software teams
- SQL programming in a variety of databases (Informix, SQLServer, MySQL, Firebird)
- Teaching/training Computer Science concepts
- Experience in network programming and 3-tier development
- Familiarity with operating systems development
- Extensive web design experience combining HTML, PHP, MySQL, and Perl
- Experience with methods of algorithm analysis

Work Experience

Laboratory for Advanced Computing at UIC, Research Assistant, Chicago, IL, Aug 2008 – Present

- Assist to help realize various research projects including both coding and design
- Help proofread and write research papers
- Worked booth at conferences to explain the lab to attendees

First Trust Portfolios, Software Developer, Lisle, IL, Jul 2004 – Aug 2008

- Designed, implemented and maintained internal financial applications and developer tools
- Primary developer for trading system responsible for processing over \$8 billion in trading each quarter
- Co-recipient of company's first cost-savings bonus for suggesting and implementing a procedural change resulting in a direct saving of over \$20,000 each year
- Oversaw technical aspects of interfacing with several external systems and companies
- Trained new employees and interviewed potential candidates

Wheaton College, Teaching Assistant, Computer Science Department, Wheaton, IL, Aug 2003 – May 2004

- Computer Graphics, Fall 2003
- Info Structures, Spring 2004
- Tutored students and gave lectures

Wheaton College, Lab Assistant, Computer Science Lab, Wheaton, IL, Sep 2001 – May 2004

- Assisted Computer Science students with programming projects

Intelligent Imaging Innovations Inc., Web Database Programmer, Denver, CO, Jun 2002 – Feb 2004

- Returned as a consultant after completion of internship
- Redesigned company website and integrated company database with website
- Automated and simplified many common tasks by writing an email correspondence tracker and redesigning management of customer accounts

Extracurricular Activities

Crown and Cutlass, Founder/ lead developer, <http://www.crownandcutlass.com>, May 2004 - Present

- Open-source game project
- Self-directed, collaborative work with other volunteers from around the world
- Combined several open libraries with custom code to form a complete system
- Excellent sand-box to learn project management skills and see the long-term effects of decisions