

William Song Dickson

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OBJECTIVE:

Seeking an opportunity to further develop my skills as an engineer through real-world experience in software development and research while working toward my goal of becoming a software engineering manager.

EDUCATION:

University of Connecticut, Storrs, Connecticut

Major: Computer Science and Engineering; Minors: Math, Manufacturing and Engineering Management

GPA 3.84/4.00 Expected graduation date: May 2016

William H. Hall High School, West Hartford, Connecticut

GPA 3.80/4.00 Graduated: June 2012

RELEVANT COURSES:

- Engineering Management
- Object Oriented Design
- Algorithms, AI
- Advanced Computer Architecture
- Java, C, MATLAB
- Software Engineering
- Systems Programming
- Probability/Stochastic Processes

INTERNSHIP EXPERIENCE:

1stdibs.com, New York, New York

Front-End SDE Intern

May 2015 – Present

- Focused on front-end development of the website and created chrome extensions for internal use and a test repository tool.
- Coded primarily in JavaScript, HTML, and CSS using frameworks/extensions such as React, Backbone, Node.js, Express and Sass.

United Technologies Aerospace Systems, CT

Software Engineering Intern

May 2013 – February 2015

- Served as an intern for UTAS in the Engine and Control Systems department: F-15 PACS Program.
- Extensively tested the PACS unit for software and hardware bugs through autorig simulations and test log analysis.
- Wrote macros, automated CTLS scripts and Perl scripts for testing of the PACS unit and presented results at weekly meetings.

RELATED WORK EXPERIENCE:

BECAT Support – University of Connecticut, Storrs, CT

Technical Support

January 2013 – Present

- Maintain personal computer systems for staff, faculty and students in the BECAT Research Department at UConn.
- Provide technical support for users for any problem including virus issues, network problems, and malfunctioning hardware.
- Help with High Performance Computing (HPC) support and overall cluster management using the UNIX command line.

Computer Services Unlimited (PC America), Rocky Hill, CT

Head Computer Technician

June 2012 – August 2012

- Oversaw and delegated work to multiple interns and personally completed computer diagnostics and repairs.
- Managed customer interactions throughout the repair process (including computer drop-off, work estimates, and pickup).

Computer Trades Unlimited, West Hartford, CT

Computer Technician

June 2010 – June 2012

- Completed computer repair, new computer builds, and data backup services for laptops, desktops and game consoles.

Web Design Personal Business

Web Designer

June 2009 – Present

- Provide web design and hosting for a variety of businesses including real estate, therapy, and research groups.
- Build websites from scratch, or design sites using frameworks, templates and/or a CMS such as WordPress, Joomla, etc.

LEADERSHIP:

Upsilon Pi Epsilon – Honor Society for Computing Disciplines

President/Member

May 2013 – Present

- Plan group projects, manage funding of the group, host meetings, and work to create a collaborative and helpful community.
- Started a tutoring program to help computer science students at UConn with members of the group as volunteer tutors.

Tau Beta Pi – Engineering National Honor Society

President/Member

May 2013 – Present

- Organize events and fundraising, including new member induction, team building, and educational events.
- Provide web administration services using university resources to promote the group and communicate with members.

ACTIVITIES/AWARDS:

University of Connecticut - Sophomore Honors

Award

October 2014

CSE Tutoring (Manager)

Volunteer

August 2014 – Present

INROADS Golf Scholarship

Award

June 2014

Science Bowl Moderator

Volunteer

March 2013/2014

TECHNICAL SKILLS:

- Java, JavaScript, C, Perl, Python, MATLAB, HTML, CSS
- Microsoft Excel, Word; Adobe Photoshop, Dreamweaver
- Unix, Git, JIRA, Eclipse, PHPStorm, Vim, SublimeText
- Computer Hardware Diagnostics and Repair