

EDUCATION

GPA: 3.963 **University of Missouri** **Fall 2014 - May 2018**

- B.S. in Computer Science with Minors in Mathematics and Information Technology, May 2018.
- Coursework: Advanced Algorithms; Operating Systems; Advanced Web Dev; Software Engineering; Databases; Object-Oriented Design; Networks; Computer Organization; Discrete Math; Numerical Linear Algebra; Statistics

EMPLOYMENT

Software Engineer, Intern **Cerner** **Summer 2016 - Present**

Tiger Institute Living Lab

- Implemented a front-end interface for displaying the current NEDOCS score of an emergency room.
- Utilized D3.js, jQuery, jQPlot, JavaScript, HTML and CSS.
- Deployed in October 2016 in the University of Missouri Hospital Emergency Room.

Course Instructor **University of Missouri** **Fall 2015 - Present**

- Designed curriculum and taught three semesters of full-credit Computer Science courses focused around project-based learning.
- Received "Excellence in Teaching" award from the College of Engineering.

Teaching Assistant **University of Missouri** **Fall 2016 - Present**

- Taught introductory programming course in C. File IO, pointers, memory management, arrays and makefiles.

IT Intern **Quality Computers** **Summer 2011**

- Built custom computers for sale.
- Performed IT services in the form of consultations and service calls.

TECHNICAL EXPERIENCE

Projects

- **Hack Mizzou** (2016) Director of Logistics for annual hackathon at the University of Missouri hosted by the Association for Computing Machinery and Major League Hacking. Over 200 students competed.
- **OCDX Engine** (2016) Project Manager. Data Analytics application to allow Data Scientist to upload, query, share, and analyze manifest data. Materialize, Python, Flask, MongoDB, Regex
- **Division of IT Inventory Management System** (2016) Inventory management system that allows checking in/out of items in inventory, administrator/employee access, and updating of inventory. LAMP, HTML, CSS, JavaScript, Bootstrap
- **Engineering Grand Challenge** (2014) Worked in a team to propose and design a theoretical solution for the challenge "Prevent Nuclear Terrorism." Presented proposal to the Dean of the College of Engineering.

Languages and Technologies

- JavaScript, C, HTML, CSS, Java, PHP, SQL, Git, Splunk, Bootstrap/Materialize, UNIX/Bash, UML, Agile, jQuery, D3.js, TCP/IP, Swift, Node.js

ADDITIONAL EXPERIENCE AND AWARDS

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- **Dean's High Honor Roll:** (Fall 2014 - Fall 2016) Achieved a 3.5-4.0 Semester GPA for 5 semesters.
 - **Association of Computing Machinery:** Executive Officer, Hackathon Director
 - **Upsilon Pi Epsilon:** (Fall 2016)
 - **Engineering Dean's Scholars:** (Fall 2014 - Present)
 - **University Singers:** Executive Officer
 - **Missouri Scholars 100:** (Spring 2014)
 - **Missouri Scholars Academy:** (Summer 2012)