

EDUCATION

GPA: 3.969	University of Missouri	Fall 2014 - May 2018
<ul style="list-style-type: none">• B.S. in Computer Science, Minors: Mathematics & Information Technology• Advanced Algorithms; Operating Systems; Advanced Web Dev; Object-Oriented Design; iOS Development, Computational Intelligence, Software Engineering; Databases; Networks; Computer Organization		

EMPLOYMENT

Software Engineer, Intern	Amazon	May 2017 - August 2017
<ul style="list-style-type: none">• Kindle Rendering for the Web• Created the user interface, database, and controller logic for a production Android application.		

Software Engineer, Intern	Cerner, Tiger Institute Living Lab	May 2016 - May 2017
<ul style="list-style-type: none">• Implemented a front-end interface to display the NEDOCS score of an ER.• Deployed to the University of Missouri Hospital - October 2016.• Created a data analytics application to track use cases and errors for client-facing applications.		

Course Instructor	University of Missouri	Fall 2015 - Present
<ul style="list-style-type: none">• Designed curriculum and taught three semesters of a course focused on project-based learning.• Received Excellence in Teaching award for two years.		

Teaching Assistant	University of Missouri	Spring 2017
<ul style="list-style-type: none">• Taught introductory Algorithm Design course in C.• Created homework and lab assignments for 300 students.		

TECHNICAL EXPERIENCE

Projects

- **Multilayer Perceptron** (2017) Created a Multilayer Perceptron Neural Network trained with the backpropagation algorithm. Swift
- **Hack Mizzou/Tiger Hacks** (2016-2017) Director of annual hackathon at the University of Missouri. Over 300 competitors, volunteers, sponsors, and mentors attended. 50 teams demoed a project.
- **OCDX Engine** (2016) Project Manager. Data Analytics application to allow Data Scientists to upload, query, share, and analyze manifest data.
- **DoIT Inventory Management System** (2016) Inventory management system that allows checking in/out of items in inventory, administrator/employee access, and updating of inventory. LAMP, Bootstrap
- **NAE 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

- C, Java, JavaScript/TypeScript, HTML/CSS, PHP, SQL, Swift
- Git, React, Android, Bash, Bootstrap, jQuery, D3.js, Vue.js, Node.js, Express.js, Splunk, UML, Agile

ADDITIONAL EXPERIENCE AND AWARDS

- **Dean's High Honor Roll:** (Fall 2014 - Spring 2017) Achieved a 3.5-4.0 Semester GPA for 6 semesters.
- **Association of Computing Machinery:** (Fall 2014 - Present) Executive Officer, Hackathon Director
- **Upsilon Pi Epsilon:** (Fall 2016 - Present)
- **University Singers:** (Fall 2014 - Present) Technical Officer
- **Missouri Scholars 100:** (Spring 2014)
- **Missouri Scholars Academy:** (Summer 2012)

