

## EDUCATION

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**GPA: 3.973** **University of Missouri** **Fall 2014 - May 2018**

- **Computer Science, Bachelor of 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

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**Software Engineer, Intern** **Amazon** **May 2017 - August 2017**

- Developed the user interface, database, and controller logic for the Kindle Lite Android application.
- Deployed to the Google Play Store in November 2017

**Software Engineer, Intern** **Cerner, Tiger Institute Living Lab** **May 2016 - May 2017**

- 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**

- Designed curriculum and taught three semesters of a course focused on project-based learning.
- Received Excellence in Teaching award.

**Teaching Assistant** **University of Missouri** **Spring 2017**

- Taught introductory Algorithm Design course in C.
- Created homework and lab assignments for 300 students.

## TECHNICAL EXPERIENCE

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### 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, Scrum

## ADDITIONAL EXPERIENCE AND AWARDS

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- **Dean's High Honor Roll:** (Fall 2014 - Fall 2017) Achieved a 3.5-4.0 Semester GPA for 7 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)