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Holt Skinner

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Education

GPA: 3.975 **University of Missouri** **Fall 2014 – Spring 2018**

- **Computer Science, Bachelor of Science**, Minors: Mathematics & Information Technology
- Advanced Algorithms; Operating Systems; Computational Intelligence; Machine Learning; Web Dev; Object-Oriented Design; iOS Development; Software Engineering; Databases; Networks; Computer Organization

Employment

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

- Developed the user interface, database, and controller 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 user 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.

Teaching Assistant **University of Missouri** **Fall 2015 – Present**

- Designed curriculum and taught three semesters of a freshman seminar course in Computer Science.
- Received Excellence in Teaching award.
- Taught introductory Algorithm Design course in C.
- Created homework and lab assignments for 300 students.

Technical Experience

Projects

- **NFL Predictor** (2017-2018) Worked in a team to create an application for predicting the outcomes of NFL games using Fuzzy C-Means Clustering and a Neural Network. Python, Numpy, Node.js, HTML/CSS, JavaScript
- **Multilayer Perceptron** (2017) Implemented Multilayer Perceptron Neural Network trained with the back-propagation 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.
- **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, Python, Swift, PHP, SQL
- Git, React, Android, Numpy, UNIX, Bootstrap, jQuery, D3.js, Vue.js, Node.js, Express.js, Splunk, Agile, Scrum

Additional Experience and Awards

- **Dean's High Honor Roll:** (Fall 2014 – Spring 2017) Achieved a 3.5-4.0 Semester GPA for 8 semesters.
- **Association of Computing Machinery:** (Fall 2014 – Spring 2018) Hackathon Director
- **Upsilon Pi Epsilon:** (Fall 2016 – Spring 2018)
- **University Singers:** (Fall 2014 – Spring 2018) Technical Officer
- **Show-Me Opera:** (Spring 2017 – Spring 2018)