

Andy Plank

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Objective

Seeking an internship for the summer of 2021 focusing on software engineering.

Education

MASTER OF SCIENCE IN COMPUTER SCIENCE

ANTICIPATED MAY 2022

- Purdue University – West Lafayette, IN
- *Beginning Fall 2020*

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

ANTICIPATED DECEMBER 2020

- Purdue University – West Lafayette, IN
- GPA: 3.96/4.0 | Comp Sci GPA: 4.0/4.0
- Track: Software Engineering, Security

Work Experience

EPIC SYSTEMS | SOFTWARE ENGINEERING INTERN | MADISON, WI

MAY – AUGUST 2020

- Proposed a new method of growth chart graphing to allow physicians to easily identify abnormalities in babies.
- Designed and conducted a usability study including both national and international customers.
- Refactored a module using C# and React to reduce cyclomatic complexity by 65%.

QUICKEN LOANS | SOFTWARE ENGINEERING INTERN | DETROIT, MI

MAY – JULY 2019

- Committed code to the production codebase enabling the automation of loan servicing.
- Contributed to a feature that reduced the processing time of escrow deletion from 60 days to 8 days.
- Gained experience in SAFe practices through daily standups, release planning, retrospectives, and design sessions.

PURDUE UNIVERSITY | RESIDENT ASSISTANT | WEST LAFAYETTE, IN

AUGUST 2019 – PRESENT

- Promoted an inclusive community on the floor by planning and hosting weekly events for 50 residents.
- Mediated conflicts between roommates to provide resolution in a timely manner.
- Interviewed potential Resident Assistant candidates for the following school year.
- Performed various administrative duties such as writing reports and filing roommate agreements.

Technical Skills

Languages: JavaScript, Java, C++, C#

Frameworks: Bootstrap, React, Material

Other: Node.js, Heroku, AWS, MongoDB

Projects

PHI RIDES (TAXI APP) | PERSONAL PROJECT

NOVEMBER – DECEMBER 2018

- Deployed a web application on Heroku enabling 200 people a night to request sober rides to fraternity functions.
- Developed a back-end system with Node.js that manages incoming ride requests and notifies the drivers.

INSIGHT (IDEA MANAGER) | QUICKENLOANS HACKATHON PROJECT

MAY – AUGUST 2019

- Designed a web application with Angular to manage and track the intake of new tech ideas at Quicken Loans.
- Enabled application hosting by configuring infrastructure on AWS, including S3s, Lambdas, and API Gateways.

Volunteer Work

MENTORS FOR ASPIRING GIRLS IN COMPUTING | MENTOR

AUGUST 2018 – MAY 2020

- Volunteered 20 hours a semester at local middle schools to increase interest in computing among young women.
- Demonstrated computing concepts using breadboards, Minecraft, web design, and Lego Mindstorm.

BOILER GOLD RUSH | TEAM LEADER

MAY - AUGUST 2018

- Ensured new students were able to adjust to college living through a fun week-long orientation program.
- Taught new students about Purdue's traditions, culture, and resources.