

DANIEL KROLOPP

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Objective:

To acquire an internship in software engineering.

Education:

Purdue University, West Lafayette, IN

B.S. Computer Science (Concentrations in systems programming, security)

GPA: 3.63 | May 2019

Spanish Minor

M.S. Computer Science

May 2020

Experience:

MOBI Wireless Management — Indianapolis, IN

Software Development Intern — Full-stack web development

May 2018 - August 2018

- Collaborated with full-time software developers as part of a Scrum team to implement the year's largest new feature.
- Developed MOBI Workflow — a system allowing organizations to customize their mobile device management through a drag and drop web interface based on Business Process Model Notation.
- Implemented an internal Rails application to facilitate access to developer documentation through a wiki interface.

Purdue University Department of Computer Science — West Lafayette, IN

Undergraduate Teaching Assistant, CS 25200 Systems Programming

August 2018 - Present

- Explained challenging systems-level concepts to second-year computer science students during lab sections.
- Assisted students in building, debugging and testing intricate software systems (C shell clone, web server, etc.).

To Be Honest

September 2016 - August 2018

- Founded and led a nonprofit organization dedicated to eliminating bullying in schools, partnering with a local high school to create a web-based portal for anonymous bullying reporting.
- Awarded second place and a \$1000 grant during the April 2017 Purdue Polytechnic Innovation Summit.
- Developed familiarity with Apache servers, LAMP Stack and PHP.

JARVIS — github.com/epaglier/Project-JARVIS/

August 2017 - December 2017

- Collaborated with teammates using Scrum to develop a personal voice assistant similar to Siri using a Raspberry Pi.
- Directed and coordinated team members to meet deadlines as set by the course professor.
- Developed a Python library used by other team members to interface with the Pi's GPS hat and serial bus.

Purdue University Residences — West Lafayette, IN

Resident Assistant, Harrison Hall

August 2017 - Present

- Cultivated a healthy and safe community atmosphere among residents to ease the transition to life in college.
- Facilitated policy enforcement on my floor and throughout the residence hall.
- Collaborated with other Resident Assistants to foster an environment conducive to learning.

Awards/Honors:

- Honor Roll and Semester Honors.
- Purdue Presidential Scholarship (four-year) recipient.
- Purdue Department of Computer Science Gene & Marqueritte Kim Endowment Scholarship.
- Second place in the 2017 Purdue Polytechnic Innovation Summit for designing To Be Honest.
- North Suburban Teachers Union Peggy Couch Scholarship recipient.
- Glenview Optimist Club Scholarship recipient.

Extracurricular Involvement:

- Secretary of the Purdue Impact Theory (science outreach/education).
- Student Ambassador with Purdue College of Science Ambassadors.

Programming Languages, Frameworks and Skills:

- C/C++, x86 + ARM Assembly, Java, Python, Ruby, Javascript, PHP.
- Ruby on Rails, AngularJS.
- Kernel programming and design, computer networking, RESTful API, UNIX systems.