

COLE SWARTZ

SOFTWARE ENGINEER

OBJECTIVE

Motivated graduating student in final year of bachelor's degree in computer science. Seeking to secure rewarding role in software engineering or development starting in 2021. Well-versed in programming skills, enterprise application development, and team leadership.

EXPERIENCE

June 2020 – August 2020

SULI Program Intern • Brookhaven National Laboratory

Participated in unique undergraduate research internship, working one-on-one with mentor to enhance state-of-the-art digital repository web application using React and Semantic UI.

May 2019 – August 2019

Software Developer Intern • The Kroger Company

Working with dedicated agile development team, learned to navigate large enterprise projects in order to add features to critical store monitoring web applications.

PROJECTS

October 2020

Personal Website

Created and hosted personal portfolio website using Node.js, Express, Jade, and Bootstrap in order to familiarize myself with modern web frameworks and refresh my knowledge of the software stack.

March 2020 – April 2020

System Call Malware Detector

Created project spanning both C and Java to extract a process's Linux system calls and determine whether it is malicious. Evaluated system calls by training K-Nearest-Neighbors algorithm on data from known malware, resulting in 93% detection accuracy.

January 2018 – April 2018

2018 FEH Honors Robot Competition

Led, organized, and developed code for four-person team in series of head-to-head robotics competitions. Awarded first-place design prize.

EDUCATION

Est. Graduation May 2021

The Ohio State University

Columbus, Ohio

Currently in final year pursuing B.S. in Computer Science & Engineering, with minor in Business. Recognized on College of Engineering Dean's list in 2019 and 2020.

KEY SKILLS

- TEAMWORK AND LEADERSHIP
- PROBLEM-SOLVING
- SOFTWARE PLANNING AND DEVELOPMENT

LANGUAGES AND FRAMEWORKS

- C, C#, C++
- HTML, CSS
- JAVA
- JAVASCRIPT
- PYTHON
- RUBY
- BOOTSTRAP
- EXPRESS
- MYSQL
- NODE.JS
- PUG / JADE
- RAILS
- REACT.JS
- SEMANTIC UI