Benjamin Schondorf

3 Shady Hollow | Dearborn, MI 48124 | 313-433-9807 | benschondorf@gmail.com
https://benjaminschondorf.com | https://www.linkedin.com/in/benjamin-schondorf

Objective

An internship position during the summer of 2021 at an innovative company to expand and improve my skills in the different fields of computer science. My areas of interest include cybersecurity, autonomous systems, robotics, and full-stack/backend development.

Education

University of Michigan **Ann Arbor, MI**
Bachelor of Science in Computer Science *September 2018 - December 2021*

- Overall GPA: 3.48
- Relevant Courses:

Intro to Data Structures(EECS280)	Data Structures and Algorithms (EECS 281)
Intro to Computer Organization (EECS 370)	Foundations of Computer Science (EECS 376)
Intro to Computer Security (EECS 388)	Software Engineering (EECS 481)
Intro to Operating Systems (EECS 482)	Web Systems (EECS 485)

Experience

Ocient **Chicago, IL**
Software Engineer Intern *May 2020 - August 2020*

- During my virtual internship, I had exposure to the startup environment and utilized rapid application development.
- Implemented a code static analysis tool to run nightly on the codebase through the Gitlab CI/CD pipeline and provide a report in the morning of bugs/errors found.
- Built a dashboard to generate graphs of the data created by the CI/CD pipelines to help the test team find holes in the testing infrastructure.
- Added compatibility for functions from SQL Server, PostgreSQL, and Oracle/PLSQL to allow Ocient's database to be compatible with many different querying languages.

Ford Motor Company **Palo Alto, CA**
Autonomous Vehicle Software Intern *May 2019 - August 2019*

- Built a communication pipeline using the ROS2 framework to send custom messages between the different modules in the car to improve on the prior CAN system.
- Calculated lane level localization and center offset of vehicles based on vehicle coordinates and lane polynomials in Python to provide vital data to the reinforcement learning algorithms used for navigation.
- Created a data pipeline to interpret lane level map information for driving policy algorithms.

Ford Motor Company **Dearborn, MI**
Transmission Modeling Intern *June 2017 - July 2017*

- Adjusted an 8-speed transmission model to allow the model output to match real-world vehicle readings so the model could be used to test potential modification to the transmission.

Skills

Languages: C++, Python, Java, MATLAB, HTML/CSS, Javascript, Golang
Tools: ROS2, SQLite, Flask, React, MongoDB, Jupiter, Visual Studio Code, Android Studio, AWS, React, Wireshark, Autopsy

Extracurriculars

Michigan Hackers *Winter 2019 - Present*
(https://michiganhackers.org/)

- Worked on the Android team to build a Snapchat tag game and learn more about making an app.
- Joined the cybersecurity team to learn more about the cybersecurity industry and participate in hackathons.

Michigan Marching Band *Fall 2018 - Present*
(https://www.michiganmarchingband.com/)

- Joined to build on my love for making music and to experience the close-knit culture of the marching band.
- Improved my teamwork and communication skills during the competitive process of learning and qualifying for each pregame and halftime show.