

# Oliver Miller

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I am an industrious Computer Science student seeking a role that will push my boundaries and knowledge.

## EDUCATION

**Purdue University**, West Lafayette, IN

August 2020 - Expected May 2024

Bachelor of Science — Computer Science with Security track

GPA: 3.2 / 4.0

- **Completed Coursework:** Data Structures & Algorithms, Object Oriented Programming, Software Engineering, Systems Programming, Discrete Math, Computer Architecture, C Programming, Multivariate Calculus, Intro to Statistics, Computer Information Systems

## WORK EXPERIENCE

**Tyler Technologies**, Software Developer Intern

May 2022 - August 2022

Troy, MI

- Developed Vehicle Consolidation feature to allow Public Safety & Law Enforcement to combine records of vehicles if certain metadata matches (VIN, License, etc). Released to 500+ agencies across the nation.
- Established consolidation logic and processing in C#.Net environment, interfacing with Microsoft SQL DB. Feature pushed to client facing web front end, built using Node and Angular, wrote unit tests with Moq.

**State Farm**, Software Engineer Intern (Part-time Fall & Spring)

August 2021 - May 2022

Remote

- Spring — Converted raw HTML / JS snippets into ADA WCAG AAA compliant React component library with JSX logic. Library now used across State Farm internal teams to create stylish & accessible applications.
- Fall — Built API endpoint to intelligently and quickly rank based on KPIs from SQL Database for phone records. Documented and communicated system for internal State Farm application to integrate with API.

**State Farm**, Software Engineer Intern

May 2021 - July 2021

Remote

- Devised self-service application to allow internal operations teams and SF agencies to search, manage, and delete soft phones through full stack application, automating ops workflow from 5 minutes to 15 seconds.
- Designed full stack Node & Materialize CSS application to interact with internal SF phone routing APIs.

## LEADERSHIP

**Sigma Nu**, Fraternity

January 2021 - Present

- **Treasurer** — Increased officer efficiency by constructing tooling to automate officers' budgetary needs,

**Hack the Future**, Software Development Club for Lafayette Non-profits

August 2020 - Present

- **Team Lead** — Led 6 developer, 1 designer team to create funding tool for local Lafayette non-profit org.
- **Treasurer** — Forecasted expenses and formed low-cost dues to sustain club with 30% YoY member growth.

## PROJECTS

- **CustomBoot, Android App** — Exceeded 100k device installs, built with Java and uses Material Design language. Conceptualized app to change and customize boot-up animation on a rooted Android phone.
- **C/C++ Memory Allocator** — Wrote alternative library to Linux / Unix malloc() and free() standard calls.
- **Dash It, Hackathon Project** — Developed Python Raspberry Pi Bluetooth MAC address collection system to algorithmically determine wait time based on devices within vicinity of ~10 meters. Project placed 1st.

## AWARDS

Top 10%	<b>Open AI Codex Challenge</b> — One of the first users of GPT-3, won algorithmic competition	2021
1 <sup>st</sup> Place	<b>Purdue Hello World Hackathon</b> — Approximated line wait times using RPi Bluetooth system	2020