

Oliver Miller

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EDUCATION

Purdue University, West Lafayette, IN Aug. 2020 - May 2024
Bachelor of Science in Computer Science, Certificate in Entrepreneurship & Innovation GPA: 3.1 / 4.0

WORK EXPERIENCE

Ernst & Young (EY) Jun. 2023 - Jul. 2023
Technology Consulting Intern Austin, TX

- Engaged as client-serving professional for the largest U.S. based Oil & Gas giant, addressing data challenges stemming from lack of standardization across refineries around the globe
- Presented and delivered Python-based framework to automate and standardize non-English records to English, enabling management to make decisions based on unified data from multiple locales

Tyler Technologies May 2022 - Aug. 2022
Software Developer Intern Troy, MI

- Developed feature enhancements for Tyler's Public Safety product, enabling law enforcement to filter vehicles based on VIN, plate number, and other characteristics; written in .NET environment with C#, SQL, Node
- Released to over 100 municipalities across the nation, directly in use by law enforcement officers today

State Farm May 2021 - May 2022
Software Engineer Intern Remote

- Converted internally documented code snippets into comprehensive ADA compliant React library complete with component validation and styling logic, allowing developers to write accessible applications quickly and easily
- React component library used across multiple internal teams, reducing redundancies and streamlining development

LEADERSHIP

Purdue Interfraternity Council (IFC) Nov. 2022 - Present
Director of Finance & IT

- Established dues and confirmed financial obligations of the 39 member fraternities
- Continuing to grow cashflow and streamline operations through technologies and system improvements

Sigma Nu Fraternity Nov. 2021 - Nov. 2022
Treasurer

- Led approval of chapter operating budget exceeding \$100,000 – created officer tools/apps to manage budgets
- Chapter awarded highest honor ("Rock Chapter") by Nationals for operational excellence, among other factors

Hack the Future Club Aug. 2020 - Aug. 2022
Team Lead & Treasurer

- Led seven developers and designers to design software for local non-profit organization's needs as Team Lead
- Forecasted expenses as Treasurer, accelerating the club's growth with over 50% YoY membership growth

PROJECTS

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- **CustomBoot** (Android App) — Exceeded 100k device installs, built with Java and uses Material Design language
 - **C/C++ Memory Allocator** — Wrote alternative library to malloc() and free() standard calls using C/C++
 - **Dash It** (Hackathon Project) — Developed Raspberry Pi proof of concept to determine number of people waiting in restaurant line. Project placed 1st at Purdue Hackathon; built with Django, Bash, HTML/CSS

AWARDS

Top 10%	Open AI Codex Challenge — GPT-3 codex challenge to solve complex algorithmic problems	2021
1 st Place	Purdue Hello World Hackathon — Approximated line wait times using RPi Bluetooth system	2020