

# Oliver Miller

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## EDUCATION

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**Purdue University**, West Lafayette, IN Aug. 2020 - May 2024  
*Bachelor of Science in Computer Science – Concentration in Security* GPA: 3.1 / 4.0  
*Minor in Economics & Entrepreneurship*

## WORK EXPERIENCE

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**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

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**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 automation of invoicing systems

**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

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