

Professional Experience

Mesh Systems *Carmel, IN (Remote)*
Software Engineer Intern May 2025 – Present

- Rotating through Cloud, Mobile & DevOps teams, leading AI enablement initiatives, architecting automation pipelines, and developing enterprise-grade extensions that streamline engineering workflows across the organization.

Technical Projects

AI System Prompt & Internal Enablement Platform — Mesh Systems June – August 2025

- Co-developed a master IDE prompt that standardized AI-assisted coding workflows across the company, earning strong support from the VP of Engineering.
- Created internal Custom GPT tools and co-facilitated AI enablement sessions for 20+ engineers, accelerating company-wide adoption of AI tools.
- *Skills: Prompt Engineering · OpenAI API · Custom GPT Design · Python*

Azure DevOps Sprint Scorecard Extension — Mesh Systems June – August 2025

- Designed and delivered an Azure DevOps extension that streams real-time sprint dashboards directly into work items, giving stakeholders instant visibility and removing the need for recurring 30-minute status meetings.
- Converted a static HTML prototype into a production-ready React/Next.js solution, deploying via Azure Static Web Apps and fetching live sprint data from the backend created by a junior intern.
- *Skills: React · Next.js · TypeScript · Azure Static Web Apps · Azure DevOps REST API*

Financial Report Automation — Mesh Systems May – June 2025

- Independently designed and launched an automated ETL pipeline with Microsoft Fabric and SQL, cutting monthly Azure financial reporting from a 3-hour manual process to a 5–10 minute automated workflow.
- *Skills: Microsoft Fabric · SQL · ETL Automation · Azure Data Services*

Beat Sequencer “DJ Pete” — Purdue ECE 362 • Course Project October – December 2024

- *Skills: STM32 · C · I2C · DMA · DAC · SPI · Embedded Firmware*

Python Spotify Manager — Personal Project June 2023 – Present

- *Skills: Python · Spotipy · pandas · Data Visualization · REST APIs*

FM Radio Detection/Demodulation Research — Purdue Vertically Integrated Projects January – May 2024

- *Skills: Python · GNU Radio · C API · USRP Hardware · Signal Processing*

Additional Experience

Purdue Rack and Roll, West Lafayette, IN — Student Service Attendant (Aug 2023 – Aug 2025) — Managed daily operations and customer experience in a high-responsibility, two-person setting.

Royal Pin Woodland, Indianapolis, IN — Front Counter Control (Aug 2021 – Aug 2024) — Trained 5+ new hires, led 2–4-person teams, and supervised a 70-lane center during peak hours.

Education

Purdue University, West Lafayette, IN Aug 2022 – May 2026
Bachelor of Science in Computer Engineering — Honors Program, Goss Scholars Learning Community
Relevant Coursework (Spring 2025): Software Engineering · Machine Learning · Software Senior Design

Skills

Technical: C/C++ · Python · Cloud & DevOps (Azure) · AI Enablement & Prompt Engineering · Git/GitHub
Professional: Leadership · Adaptability · Collaboration · Mentoring · Initiative