ANTHONY VETTRAINO

CONTACT

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apvett09.github.io/Portfolio/

EDUCATION

B.S. in Software Engineering
University of Michigan
Jan.2021-Dec.2023

Academic Honors:
Upsilon Pi Epsilon Honor Society
Pi Theta Kappa Honor Society

Coursework:
Web Technology, Operating Systems,
Data Structures & Algorithms, Database
Management Systems, Software
Architecture & Design Patterns, Software
Security, Computer Networks, Computer
Organization

SKILLS

Python(Django)
JavaScript(React/Native, NodeJS)
HTML/CSS
SQL(MySQL, NoSQL,
PostgreSQL)
Git/GitHub Version Control
Langchain
C/C++
Linux
Communication
Teamwork
Critical thinking
Problem Solving

OBJECTIVE

As an intelligent, hardworking individual, I am enthusiastic about embracing new opportunities and challenges. I am seeking opportunities where I can apply my experience and knowledge to enhance the results of a project, program, and company. I am energized by the opportunity to utilize the skills I have obtained to deliver high-value and impactful software-first solutions.

PROFESSIONAL EXPERIENCE

OBD & Diagnostics Software Engineer

Daimler Truck NA – SunSoft Technologies | Oct. 2023 - Present

- Developed and optimized software tools to streamline testing and validation processes, including a Python/PyQT-based desktop tool for fuel map calibration validation. This tool, used globally, reduces hours of manual effort by automating the analysis of thousands of calibrations per release cycle.
- Designed and implemented Electron.js desktop applications leveraging Python, Node.js, JavaScript, and HTML/CSS, to facilitate network analysis for engineers.
- Built and deployed data visualization tools using Seaborn, Pandas, and Python to present complex data insights to engineering teams and managers.
- Conducted network communication testing across vehicle CAN networks, collaborating with cross-functional teams to ensure seamless communication between ECUs and vehicle computers.
- Collaborated with multidisciplinary teams on global projects and mentored new hires, fostering technical growth and improving team efficiency.

Software Engineer Intern

Daimler Truck North America, Detroit, MI | March 2023 – August 2023

- Worked in a team environment to develop process and test automation scripts for DT powertrain ECUs.
- Developed an Electron.JS desktop tool, utilizing Python for scripting and JavaScript/HTML/CSS for the tool's interface. The highlight was developing scripts to parse and decode extensive CAN data, making it human-readable based on CAN protocol standards.

Customer Service Representative

GETM LLC| Sept. 2022 – April 2023

- Worked collaboratively on a team with three other students to develop a mobile application to inspire positive fitness habits, accountability, and social challenges that engage users in a fun and productive way with measurable fitness gains.
- Used technologies like React Native, Node.js, Express, MySQL Database, Visual Studio Code, Expo/Expo Go.