ANTHONY VETTRAINO

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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 on a team, to deliver high-value and impactful software-first solutions.

EDUCATION

B.S. in Software Engineering | University of Michigan

JAN 2021- AUG 2023

ACADEMIC HONORS: PTK HONOR SOCIETY, UPSILON PI EPSILON HONOR SOCIETY, 3.86 GPA

Coursework:

- Web Technology
- Software Security
- Software Engineering Tools
- Data Structures/Algorithm Analysis
- Database Management Systems
- Software Arch. & Design Patterns
- Comp. Organization and Assembly Lang.
- Comp. Networks and Distr. Processing

A.A.S Mechanical Design | Schoolcraft College 2015-2017

EXPERIENCE

OBD & Diagnostics Software Engineer | SunSoft Technologies - Daimler Truck

AUGUST 2023 – PRESENT

• Spearheaded the development of automation scripts for powertrain ECU testing, enhancing project efficiency through streamlined processes.

• Designed and deployed data visualization tools to aid in the testing and validation of automotive software, significantly reducing data analysis time.

• Conducted CAN network traffic analysis to ensure compliance with CARB regulations, thereby supporting the company's legislative adherence.

Software Engineering Intern | Daimler Truck

MARCH 2023 – AUGUST 2023

• Worked in a team environment to develop process and test automation scripts for DT powertrain ECUs.

• Implemented new features for an ElectronJS 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, commonly used in heavy-duty trucks. These enhancements proved invaluable during testing and validation, elevating project efficiency, and reducing the time needed to decode CAN data.

Student Software Developer | GETM LLC

SEPTEMBER 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.

TECHNOLOGY SUMMARY

- C/C++, Java, Python, Node.js
- SQL (MySQL, Oracle)
- HTML/CSS/JavaScript
- Linux
- React/React Native
- Git/GitHub Version Control