EDUCATION

University of Michigan - Ann Arbor   Ann Arbor, MI
Bachelor of Science in Computer Science   *Jan. 2019 – Dec. 2021*

EXPERIENCE

Software Developer   Feb 2022 – Present
▨▨▨▨▨▨   ▨▨▨▨▨▨
- Design, develop, and implement efficient and scalable software for ▨▨▨▨▨▨▨▨, a leading ▨▨▨▨▨ software used by Top 10 US ▨▨▨▨▨.
- Build web services and APIs to extract the data from the JSON based response using C#, ASP.NET, TypeScript, and React to seamlessly display in ▨▨▨▨▨▨▨▨▨ app. Effectively translating and integrating this data to streamline workflows, improve accessibility and enhance reporting functionalities.
- Designed an automated testing system in Python with six distinct configurations, resulting in a remarkable reduction of testing time from 3 hours to just 10 minutes.
- Designed an automated ▨▨▨▨ document submission process to ▨▨▨▨▨ companies, accompanied by a UI overhaul that led to a remarkable 50% reduction in response time and a 30% decrease in the number of clicks required to complete the workflow. Achieved a 30% boost in overall productivity as a result per users.
- Implemented a complex 250+ page industry specification, enabling the streamlined transmission of unsolicited ▨▨▨▨ documents to ▨▨▨▨▨ companies. This initiative led to a notable 15% enhancement in the speed of obtaining ▨▨▨▨▨▨▨.
- Established ETL processes to consolidate and transform data from a SQL database, facilitating comprehensive and accurate reporting on ▨▨▨▨ data. While concurrently developing a SQL-based reporting dashboard to enhance decision-making by providing insights into critical business metrics.

Instructor Aid   Aug. 2021 – Dec. 2021
University of Michigan - Ann Arbor   *Ann Arbor, MI*
- Guided students through projects assigned during the semester by answering their questions during weekly office hours and on Piazza, an online question forum.
- Involved with organizing course logistics and managing the course website. Develop scripts to automate routine tasks such as sending weekly emails/notifications.

Instructor Aid   May 2019 – July 2019
Washtenaw Community College   *Ann Arbor, MI*
- Worked closely with the professor to create unique successful weekly study sessions and chapter tests.
- Facilitated group tutoring for college-level Calculus classes and created sample problems to ensure concepts and learning goals were achieved after every session.

PROJECTS

Computer Vision: Colorizing Historical Images   Nov. 2020 – Dec. 2020
- Designed a model that assigns colors to a grayscale image by analyzing the semantics of the scene and its surface texture.
- Implemented Convolutional Neural Networks (CNN) for object detection and used L2 (Euclidean) loss function to track the difference between generated image and ground-truth image.
- Trained the model on a 2500 image dataset for 50 cycles and improved the color detection by more than 50% compared to a single cycle.

TECHNICAL SKILLS

Languages: Python, C++, C, C#, JavaScript, Java, HTML, R, AJAX, CSS, SQL and Assembly
Tools & Framework: Git, React, Flask, Rest API, jinja, Hadoop, Docker, NumPy, CNN, VS Code, Visual Studio
Databases SQLite, MySQL, PostgreSQL, MongoDB, ▨▨▨▨▨