Minh Nguyen

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EDUCATION

University of Rochester   **Rochester, New York**
Bachelor of Science, Computer Science Major   *Anticipated 5/2025*
- GPA: 3.61 out of 4.00
- Listed on the Dean's List with Dean's Scholarship all semesters
- Anticipated graduation in Spring 2025.

Courses: Data Structures and Algorithm, Web Programming, Introduction to Artificial Intelligence, Computation and Formal System, Introduction to Computer Science, Discrete Math.

INTERNSHIP PROJECTS

Frontend Development – Intern – Rochester Human-Computer Interaction Lab   **4/2023 – Current**
- Collaborate with the design team members to design and develop the user interface of a web application that helps promote AI literacy among K-12 students and teachers using Git as version control.
- Write clean, efficient, and well-documented code using React, Redux, HTML, CSS, JavaScript and LESS.
- Participate in peer code review to ensure absolute synchronization between frontend and backend.
- Handles ad-hoc debugging tasks. Identify and resolve critical issues in the codebases in a timely manner.
- Maintain, and update legacy code to match the latest best practices and coding syntaxes.

Software Engineer Intern – Onc.ai   **5/2023 – 8/2023**
- Collaborate with the data team to design, calculate and display KPIs onto a dashboard on Confluence.
- Write clean, efficient, and well-documented code in Python with best practice and reusability in mind.
- Participate in peer code review. Examine the efficiency and readability of the code of other interns.
- Make use of API from GCP, Trello, Valohai, SharePoint to extract data and use MongoDB to store data.
- Handles ad-hoc debugging tasks. Identify and resolve critical issues in the codebases in a timely manner.
- The dashboard results in a 20% increase in data pipeline outputs.

LEADERSHIP EXPERIENCE

Web Manager – Anime Interest Floor   **2/2022 – Current**
- Design, coded, and is currently maintaining AIF's responsive landing page using JavaScript, HTML, CSS.
- Worked closely with other Board members to design a user-friendly interface for the landing page.
- Increased the application rate by 11%.
- Used GitHub to host the website. Link to website: [GitHub - AIF Landing Page](#)
- Coded an AI that uses Simulated Annealing to automate the housing assignment process of AIF in Python.
- Collaborated with Board Members of AIF to optimize the heuristic function and the performance of the AI.
- Currently working toward integrating the AI into a React website with SQL.

COURSE PROJECTS

Linear Classifier   **5/2023**
- Coded a Linear Classifier AI that uses machine learning to train on seismic datasets by using Java.
- Improve the model accuracy by applying techniques such as cross validation and model training.
- The AI differentiates whether a seismic datapoint is because of a nuclear explosion or an earthquake.
- Utilized problem-solving skills to resolve complex problems arise when implementing the model.
- Achieved a 99% accuracy rate when the model was trained by a mostly clean dataset.

Personal MyAnimeList Website   **5/2023**
- Collaborated in a team to design and develop a dynamic website with customized anime search engine.
- Contributed to brainstorming sessions to offer solutions to implementation of the database system.
- Utilized React, JavaScript, HTML and CSS with Firebase and MyAnimeList RESTful API to build the website.
- Created a fully responsive and mobile-friendly website, optimizing accessibility across various devices.

SKILLS
- JavaScript, CSS, HTML, Firebase, React, Java, Python, MongoDB, Git, GitHub.