STEVE FAN

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EDUCATION

University of Michigan **Ann Arbor, MI**
(Anticipated) Master of Science in Computer Science *August 2023 - April 2024*

Bachelor of Science in Computer Science *August 2020 - April 2023*
GPA: 3.848/4.000
Notable Coursework: Human-Centered Software (EECS497), Web Systems (EECS485), Database Management Systems (EECS484), Computer Vision (EECS442), Foundations of Computer Science (EECS376), Introduction to Computer Organization (EECS370), Data Structures and Algorithms (EECS281), Programming and Introductory Data Structures (EECS280), Linear Algebra (MATH214), Introduction to Probability and Statistics (STATS 412)

EXPERIENCE

Marelli North America, Inc. **Southfield, MI**
ICT Co-Op Student *August 2022 – Present*
- Standardize monitoring systems for factories and integrate incident responses
- Migrate host information from deprecated system to current system using API calls
- Leverage Python to run troubleshooting scripts on monitored equipment
- Maintain ticketing system and visualize tickets for end-users

Marelli China, Inc. **Remote**
Intern *June 2022 - August 2022*
- Using Automation Anywhere for Robotic Process Automation (RPA):
    - Developed a web crawler to acquire news about the company for internal monthly debriefs
    - Automated repetitive and tedious office tasks

Professor Eugina Leung **Remote**
Programming Assistant *June 2022 - July 2022*
- Developed Python GUI app for Professor Leung's simulated autonomous driving experiment using PyQt
- Transformed Professor Leung's requirements into a programming specification
- Packaged app with PyInstaller for easy distribution to lab computers

PROJECTS

Expenses App – Personal *July 2022 – August 2022*
- Built a responsive web app to track finances with ReactJS
- Used React's Context API to pass down state
- Implemented extra sorting and suggestion features to aid user in tracking finances
- Working on adding a backend

Movie Recommendation System - Michigan Data Science Team *February 2022 – April 2022*
- Conducted exploratory data analysis on a movie ratings dataset and created a utility matrix
- Implemented matrix factorization (Asymmetric SVG) algorithm using the utility matrix to generate recommendations
- Fine-tuned model with extra data from IMDB to increase accuracy

SKILLS

Programming Languages: C/C++, Python, SQL (Oracle), MongoDB, Javascript, ReactJS
Technologies: HTML/CSS, Git, Automation Anywhere, Tableau
Languages: Chinese (Mandarin) Proficiency