

Eric Chen

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PROFESSIONAL EXPERIENCE

Software Engineering Co-op at Mastercam

Jan – June 2022

- Collaborated in 3 week SCRUM software development cycles working on the Systems team.
- Resolved 1-2 short term tickets a week while working on mid and long term projects.
- Increased the speed of graphical refreshes and reduced prolonged freezing across the CAD/CAM program by standardizing the 8 different types of wait cursors.
- Fixed file save issues and refined features related to adjusting common parameters for drill setup.

IT Onboarding Co-op at Wayfair

Jan – June 2021

- Created an inventory app to standardize new hire shipping procedures that effectively eliminated incorrect fulfillments and saved hundreds to thousands per week.
- Fulfilled 5+ software requests via Active Directory, SCCM, JAMF, and remote assistance per day.

SOFTWARE PROJECTS

ShoeScan Website - Academic

- Using Javascript and MERN stack, created a buying and selling shoe platform.
- Populated pages with sneaker information from a sneaker API using Axios.
- Each unique user session would have some content tailored to the user logged in.

Inventory Management App - Professional

- Created an app with Google AppScript that significantly improved inventory management by digitizing processes and using QR code tagging.
- Implemented Google Sheets database to monitor stock and record items attached to shipments.
- Entries per week ranged from tens to hundreds during peak hiring cycles.

Spreadsheet - Academic

- Collaborated in a 4-person team to develop an app similar to Excel using React and Typescript.
- Implemented software design patterns such as visitor, observer, composite, and factory methods.
- Mimicked most of the core functionalities of Excel with formulas, cell selection, formatting, and cell error handling.

Portfolio Manager Bot - Personal

- Built a stock trading bot with Python using Alpaca API and AWS Lightsail.
- The bot was based on a monthly time frame and held six positions, repetitions allowed.
- The selection algorithm compared the sharpe ratio, which uses compound annual growth rate and volatility to replace three underperforming positions.

EDUCATION

Northeastern University, Khoury College of Computer and Information Science

Boston, MA

Bachelor of Science in Computer Science

December 2022

GPA: 3.3/ 4.0

Relevant Coursework: Web Development Capstone, Fundamentals of Software Engineering Capstone, Networks and Distributed Systems, Computer Systems, Object Oriented Design, Algorithms and Data Structures, Programming in C++, Fundamentals of Computer Science 1 & 2

SOFTWARE SKILLS

Javascript, MongoDB, Express.js, React, Node.js, HTML, CSS, C++, Python, Java, Git, TurtoiseSVN, WSL/Linux, AWS Lightsail, SQL