

Evan Tran

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EDUCATION

Northeastern University, College of Engineering & Houry | Boston, MA

August 2020 - Present

Candidate for BS in Computer Engineering & Computer Science

Anticipated Graduation: April 2024

GPA: 3.6

Relevant Coursework: Software Engineering, Machine Learning, Web Development, Computer Systems, Object Oriented Design, Algorithms and Data Structures, Digital Design and Computer Organization

SKILLS

Languages: Java, Python, Ruby, JavaScript, C++, HTML/CSS, TypeScript, Bash, MIPS, MATLAB, SystemVerilog

Frameworks/Environments: Rails, React, Visual Studio Code, Node, Git, Vim, Figma

WORK EXPERIENCE

Clora | Boston, MA

Software Engineer

January 2023 - July 2023

- Developed in a React frontend and Rails backend with PostgreSQL as the primary database
- Designed and implemented user-facing UI features in order to improve website usability and user experience
- Delivered internal tool improvements by leveraging database structures and complex queries
- Proposed and implemented a feature flagging system for the work pipeline, enhancing development agility
- Assumed role of scrum leader to lead daily standup meetings and facilitate sprint planning and meetings

Genuity | Sudbury, MA

Software and Systems Testing Engineer

January 2022 - July 2022

- Enforced strict testing protocols to facilitate the improvement of the end product while ensuring the user safety
- Identified the causes of JIRA tickets by reading over lines of C++ code and suggesting solutions
- Implemented Python and Bash scripts to collect data from console logs to maximize efficiency

PERSONAL AND ACADEMIC PROJECTS

Sound Floats | Boston, MA

July 2023 - Present

- Designing a cost-efficient acoustic release device and deck box capable of collecting sea data at a depth of 500m
- Designed and implemented the deckbox user interface by utilizing the React and Flask frameworks with JavaScript, HTML, and Tailwind CSS
- Leveraged digital signal processing algorithms to enhance signal clarity and robustness to ensure reliable data transmission between the AR devices and the deck box in underwater situations

MakeMoney | Boston, MA

Fall 2023

- Developing a web media platform tailored to trading and stock enthusiasts, featuring real-time market updates through API integration
- Building on a React framework and Express.js for a RESTful web service with a MongoDB database

Image Processing Program | Boston, MA

Fall 2022

- Created Java app leveraging the command and decorator design patterns to manipulate photos
- Developed program using Java's Swing package with a MVC object oriented design
- Operations include preview, mosaic, greyscale, flip, blur, sharpen, and downscale

Computer Model | Boston, MA

Summer 2022

- Created a computer capable of completing 16 bit instructions by designing multiple components in Verilog and implementing them into a datapath using Vivado
- Comprised of an ALU, register file, data & instruction memory, instruction decoder, and program counter

ACTIVITIES AND LANGUAGES

Interests: Gym, Volleyball, Chess, Traveling, Photography

Languages: *Fluent:* English, Vietnamese *Intermediate:* Spanish