JIMMY TRAN

Jimmy.Tran005@umb.edu | (781)-267-1202

Github , Linked- In, Portfolio

SKILLS

- <u>TECHNOLOGIES</u> ·*Flask* ·*Django* ·*Node Js* ·*React.js* ·*Git/Github* ·Jest ·*MySQL* ·*Android* ·*MongoDB* ·*Heroku* ·*RESTful API* ·*Google Firebase* ·*Visual Studios* ·*Bootstrap* ·*Apache Tomcat* ·*Maven* ·*JUnit* ·*Unit Testing* ·*Ubuntu/Linux* ·*AWS Elastic Beanstalk* ·*HTML5/CSS3* ·*PostgresSQL*
- <u>PROGRAMMING LANGUAGES:</u> ·*Java* ·*Python* ·*Javascript* ·*C++* · *C*
- <u>SOFT SKILLS:</u> ·*Quick learner* ·*Detail oriented* ·*Resilient* ·*Problem-solving* ·*Customer-driven* ·*Deadline oriented*
- <u>LANGUAGES:</u> ·*English* ·*Vietnamese*

EXPERIENCE

Software Engineering Intern | **WellThee (***https://getwellthee.com/* **)** – *Remote*   **September 2020-December 2020**

- Refactored and implemented RESTful API endpoints for the company's mobile and web application.
- Collaborated with the iOS and React team on a weekly-basis to discuss tasks and plan out sprints for the app.
- Worked on backend development tasks such as refactoring code,writing unit tests, logic, and debugging.
- Exposure to React, Node.js, Express, Typescript, Jest, PostgresSQL.

Full-Stack Web Developer | **Environmental League of Massachusetts**- *Boston, MA*   **May 2020 - August 2020**

- Built and deployed a voter's guide website for the 2020 congressional election for voters to look up their district's legislators.
- Used various external APIs to meet the requirements of the website, optimized code and web content to improve search engine rankings.
- Weekly meetings with the Program Manager, website consultant, and executive director to discuss updates and proceedings on the website.
- Technology stack: HTML5, CSS3, Bootstrap, Django, and MySQL.

Computer Science Tutor | **WyzAnt** - *Remote*   **November 2019- May 2020**

- Served as an online tutor for Computer Science focused on the programming language Java.
- Prepared detailed lesson plans prior to tutoring sessions.
- Explained and answered Java concepts and helped with assignments and projects through an interactive digital classroom.

PROJECTS

Green Voter Guide MA — *Environmental Website* | **Full Stack** *website*

- Search engine that is built for voters to search their district's legislators based on their residential address
- This tool allows voters to get a better understanding on who to vote for on their ballot based on endorsements of 5 partnered environmental advocacy organizations in Massachusetts.
- Incorporated the USgeocoder API to gather state legislative district data, and the Google Places API for auto-completion of address fields.
- Implemented test cases using the unittest library to ensure functionality of the application's request handlers and database queries.
- Technologies used: HTML5, CSS3, Bootstrap, Python/Django, MySQL, DigitalOcean, and Heroku Cloud Platform.

COVID-19 Messenger Tool — *website* *source code*

- Integrated a web scraper which extracts COVID-19 data, into a web app which sends out an email directly to you on the latest COVID-19 status.
- Sends you a table of real-time data on all 50 states in the United States. Data includes total cases, new cases, total deaths, and new deaths.
- Technologies: HTML5, CSS3, Vanilla Javascript, Python, Flask, BeautifulSoup, SMTP, AWS Elastic Beanstalk.

Best Programming Language Survey — *Voting tool* | **Full Stack** *website* *source code*

- A full stack application made with React.js, Chart.js, Node.js/Express, and MongoDB. Used Netlify and Heroku for deployment.
- This website contains a survey which prompts participants to choose which programming language they most prefer, and will show a count in visual graphs of the overall votes in real time.
- This was my first time implementing the MERN stack.

Tweetir — *Twitter Clone* | **Full Stack** *website* *source code*

- A social media full stack application which includes features such as register/login, posting tweets, and interacting with user's tweets
- Implemented a RESTful API using Express as a backend framework, and using JWT (Json Web Tokens) for stateless authentication.
- Technologies: React.js, Node.js/Express, MongoDB, Firebase Cloud Storage, Netlify (to host client), Heroku (to host server)

CS Blog — *Blogging Website* | **Full Stack** *website* *source code*

- A simple CS based blog website which allows users to write, publish, and share any informative CS-related topics.
- Learned how to add SALT to passwords before hashing to enhance password security when storing into database
- Features: Ability to register for an account and login , Blog's feed page, and User's settings page for updating profile.
- Technologies :HTML5,CSS3, Bootstrap, VanillaJS, Python/Django, PostgreSQL, Heroku, and DigitalOcean.

EDUCATION

University of Massachusetts Boston Boston, MA | 2020-2022 (Bachelor of Science in Computer Science , expected in Fall 2021)

- <u>Relevant Courses:</u> ·*Programming in C* ·*Social issues and ethic in Computing* ·*Applied Discrete Math* ·*Advanced Data Structures & Algorithms*