Vincent Trinh

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Education

McGill University Montreal, QC

Bachelor of Engineering, Software Engineering

Awards: Recipient of the Alma Mater Scholarship, valued at $3,000

Technical Skills

Languages: Java, Python, C/C++/C#, SQL (Postgres), JavaScript, HTML/CSS, Assembly, Bash
Frameworks: React, React Native, NodeJS, Vue, Express, Cypress, .NET, Spring, Spring Boot, Django, Pandas
Developer Tools: AWS, Google Cloud, MongoDB, Docker, PyCharm, Pytorch, TensorFlow, Jupyter

Experience

CMC Global Jun 2023 – Sep 2023

Full Stack Development | TypeScript, JavaScript, React Native, AWS *Ho Chi Minh, VN*

- Built an employee time tracking application for a Fortune 500 company, generating **$525K of revenue**
- Enhanced server capacity through the implementation of AWS (Lambda, CloudFormation, API Gateway, etc.), allowing requests for over **1 million users** at a time
- Organized bug bash with 6 developers to identify and resolve critical bugs, improving **user satisfaction by 8%**

Stocate Sep 2022 – Apr 2023

Full Stack Developer | JavaScript, C#, React Native, ASP.NET, Docker, Google Cloud *Montreal, QC*

- Collaborated with cross-functional teams and 2 other developers to build the payment and ordering systems, using ASP.NET and React Native frameworks which resulted in **$112K annual revenue**
- Designed and implemented a customer insights dashboard that utilizes API calls (Stripe) to provide business owners with real-time data on trending products, enhancing user accessibility and informed decision-making, increasing **user satisfactions by 13%**
- Utilized Google Cloud infrastructure to seamlessly scale server capacity from supporting **1K to 10K user**s, optimizing performance, reliability, and scalability in response to increased demand

Projects

Banking System | *Django, Django REST Framework, Python* Mar 2025 – Apr 2025

- Collaborated with 2 software engineers to build a banking system using **Django REST Framework**
- Developed a fully functional application, leveraging local storage for data persistence in alignment with a self-designed **ER diagram** for the database structure
- Operated within an **AGILE framework**, integrating Scrum and Kanban methodologies, which contributed to the on-time delivery of the project with streamlined efficiency

Cancer Cell Detector | *Python, Jupyter, Pandas* Jan 2024 – Apr 2024

- Led a team of 6 to design, validate, develop, and validate an image processing system for analyzing medical images and detecting cancerous cells with high accuracy using **TensorFlow**
- Implemented a machine learning pipeline using **OpenCV** to preprocess images, train a **CNN model**, and classify cells based on cancerous or non-cancerous characteristics, achieving **89% accuracy**
- Utilized a large dataset of labeled positive and negative cases to perform both **supervised** and **unsupervised** training, enhancing model robustness and accuracy in diverse diagnostic scenarios

BookClub | *MongoDB, Express, React, NodeJS* Jan 2023 – Apr 2023

- Led a team of 5 software engineers to build a book recommendation web application by utilizing **MERN stack**
- Owned the creation of the recommendation system which is based on the users' interests, tendencies, and community suggestions for **over 10M books**, improving overall user experience
- Mitigated database strain by utilizing Google Book Search, reducing **storage cost by 95%**