

# Brandon Duong

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## Experience

### Remotasks, Remote — AI Coding Trainer

February 2024

*JavaScript, TypeScript, HTML, CSS, Python, Java, C#, Node.js, React.js, Angular, Vue.js, SQL, AWS*

- Wrote complex yet feasible prompts for LLM to evaluate different responses on their quality and accuracy
- Analyzed output code, read documentation, and tested against prompt's requirements to verify correctness

### African Canadian Association of Ottawa, Ottawa, ON — Web Developer

Dec 2023 – March 2024

*JavaScript, HTML, CSS, Figma, WordPress, Elementor, cPanel, Apache, REST API, HubSpot CRM*

- Redesigned and optimized responsive front-end for two separate WordPress websites to fulfill client's requirements, ensuring English and French users have equivalent experience
- Consumed radio.co REST APIs to display updated ACAO Talk Radio schedules and inform listeners

### McMaster University, Hamilton, ON — Teaching Assistant

Sept 2022 – Dec 2022

*Python, Java, Golang*

- Lead tutorials with 25+ students, reviewed code, and graded 300+ assignments with feedback to solidify understanding of concurrent programming, object-oriented design, data structures, and algorithms

### Evanset, Toronto, ON — Software Developer & QA Automation

Sept 2021 – Aug 2022

*JavaScript, Vue.js, HTML, CSS, Kotlin, Ant Design, Cypress, Mocha, Chai, Jira, Zeplin, Azure DevOps, Figma, Zephyr, Plotly*

- Documented defects found and root causes to troubleshoot and debug 3 interconnected web apps and android app, collaborating with Action Against Hunger Canada to collect malnutrition statistics
- Implemented responsive components and graphs with Jest unit tests to follow Figma UI and UX mock-ups
- Orchestrated over 100 automated end-to-end and instrumented tests to minimize time spent manually testing apps and to ensure the responsiveness, robustness, and resilience of the platforms

## Projects

### LoLGuess

github.com/brandonduong/LoLGuess

*TypeScript, Vue.js, HTML, CSS, Node.js, AWS (Amplify, AppSync, API Gateway, Lambda, Cognito, Route 53), Ant Design*

- Developed and maintained practice tool for players of competitive video game to test knowledge by guessing outcome of match given final team compositions retrieved from consuming the game's API
- Architected GraphQL schema and Node.js REST API with Express.js for fetching user stats and starting a game
- Monitored reliability, efficiency, and search result performance to identify areas for improvement in terms of user experience and search engine optimization (SEO)
- Stored and manipulated large data set of user guess histories to display analytics for user improvement
- Refactored MVP code to relieve tech debt and ensure maintainability, reusability, and scalability
- Shared on Reddit to receive feedback with over 85,000 plays and communicate next steps for 100,000 viewers

### WacOS

github.com/brandonduong/WacOS

*TypeScript, React.js, Next.js, HTML, CSS, TailwindCSS, Framer Motion, Firebase, Chart.js*

- Translated references of game's fake operating system as a webapp with login screen, customizable desktop, interactable apps, familiar window management and behaviour, and taskbar, accumulating 3500 views on Reddit

## Education

### McMaster University, Hamilton, ON — Bachelor of Engineering — Software Engineering

May 2023

- Achieved cumulative grade-point average of 3.9 on 4.0 scale (Deans' Honour List)

## Skills

- JavaScript, TypeScript, React, Next.js, Vue, Angular, Node.js, HTML, CSS, AWS, Azure, SQL, NoSQL, GraphQL