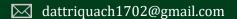
Dat Quach





(778) 222-7335



datquach



quachtridat

Summary

- Languages: Python, C#, C++, TypeScript, SQL, UML
- **Software**: Git, VS Code, Docker, Visual Studio, Eclipse, IntelliJ IDEA, Trello, JupyterLab
- Frameworks: Node.js, React, Next.js, Flask, Pytest, Jest

Work Experience

Website Development Intern, EPIC Semiconductors

May - Jul 2021

- Developed a frontend redesign to increase customer satisfaction using React, Next.js and TaildwindCSS, significantly reducing the development workload and estimated project development time by 50%.
- Streamlined with MongoDB for backend testing and GitHub Actions for CI/CD to Vercel.

Projects

<u>IupyterLab-Git, MLH Fellowship Open-Source Project</u>

Feb 2022 - Present

- Implemented a warning box for unsaved files, ensuring user changes are fully committed to **Git** repo.
- In a team of 2, developed caching mechanism for user credentials, increasing **user experience** greatly.
- Engineered **Git** diff views on 2 arbitrary commits, allowing for more flexibility working with **Git** changes.
- Actively communicate with project maintainer and team leader to **propose** and **implement solutions**.

Ren, Open-Source Discord Bot Project

Jul 2021 - Present

- Maintain **GitHub** repos and resolve issues, resulting in high **user satisfaction** and **functional improvements**.
- Develop asynchronous chat functionalities using **Discord.py API**, enabling **real-time user interactions**.
- Deploy the bot on **Amazon Web Services (AWS) EC2**, which helps handle traffic with **99.9% uptime**.
- Leverage **GitHub Actions** to streamline continuous integration, code testing, style checking and linting process.

FDU CampusHub, Web LMS Frontend Project

Apr 2021

- Led a team of 4 on a LMS frontend redesign project, scoring 94% in Human Computer Interface course.
- Conducted research and produced report to gain **user experience** insights.
- Streamlined with **React** with **Next.js** and **Vercel** auto-deployment on **GitHub** for **CI/CD**.
- Bootstrapped the project with **TailwindCSS** for stylings, lowering **60%** initial development workload.
- Used **TypeScript** and **ESLint** for code linting and type checking, resulting in fewer bugs.

Leadership and Volunteer Experience

Website Development Volunteer, SFU Anime Club

Dec 2018 - Present

- Develop an eCommerce WordPress site, serving information and fulfilling table orders from artist vendors.
- Work with the executive team, event organizers to establish website structure and UI/UX.
- Work with project manager to implement **WooCommerce**, streamlining the **eCommerce** set-up process.
- Bootstrap the site with **Elementor Pro**, reducing overall development workload substantially.

Code4Fun Staff Member, Fairleigh Dickinson University

Dec 2018 - Feb 2020

- Coordinated with staff team to plan for guest events, providing students with IT industry insights.
- Participated UBC Local Hack Day 2019 with a team of 4 and developed a **full-stack Django web application ColorBlux**, helping to identify color blindness issues in web designs.

Education

BSc. Information Technology, Fairleigh Dickinson University

Sep 2018 - May 2022

• Minor: Business Administration

• Award: **FDU Entrance Scholarship** (GPA \geq 3.0)

9 Terms

CGPA: 3.9/4

• Award: **FDU Honors' List** (GPA \geq 3.5)

7 Terms