






Dat Quach

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Skills

Languages	Web	Frontend	Backend	Cloud	CI/CD	Methodologies
Python	HTML	React	MS SQL	AWS	Git	Agile
C# .NET	CSS	Next.js	Redis	Docker	GitHub Actions	Trello
C++	JavaScript	Tailwind CSS	MongoDB	Heroku	Pytest	UML
Java	TypeScript	Bootstrap	JSON	Vercel	Jest	OOP

Work Experience

Website Development Intern, EPIC Semiconductors May – Jul 2021

- Developed a frontend redesign to increase customer satisfaction using React, Next.js and TailwindCSS, 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

Ren, Open-Source Discord Bot — Python, Pytest, Discord API, JSON 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.

JupyterLab-Git, MLH Fellowship — TypeScript, Jest, Python, Pytest, Jupyter Feb 2022 – Apr 2022

- In a team of 2, developed caching mechanism for user credentials, increasing user experience greatly.
- Coded automated tests using Pytest for Python backend and Jest for React TypeScript frontend.
- Actively communicated with maintainer and team leader to propose and implement solutions in Agile sprints.

FDU CampusHub, Web LMS — TypeScript, React, Next.js, Tailwind CSS, Vercel Mar 2021 – 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, Next.js, TypeScript, ESLint and Vercel auto-deployment on GitHub for CI/CD.
- Bootstrapped the project with TailwindCSS for stylings, lowering 60% initial development workload.

Leadership and Volunteer Experience

Helpdesk Volunteer, Vancouver Community Network June 2022 – Present

- Help users resolve computer and network-related issue tickets via online request trackers and phone calls.
- Engineer additional features for internal donation processing tool to produce CRM data files using Python.

SFU Summerfest Website Development Volunteer, SFU Anime Club Dec 2021 – Present

- Developed an eCommerce WordPress site for the annual Summerfest event, generating over \$2500 in sales.
- Bootstrapped the site with Elementor Pro, reducing overall development workload substantially.
- Worked with the executive team and event organizers to establish website structure and interface.
- Worked with project manager to implement WooCommerce, streamlining the eCommerce set-up process.

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

Spring 2022 Open-Source Fellow, MLH Fellowship Feb 2022 – Apr 2022