Dat Quach

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Skills

Python	React	AWS	Git	HTML	MS SQL	GH Actions	Agile
C#	Next.js	Firebase	Docker	CSS	Redis	Travis CI	Trello
C++	Tailwind CSS	Heroku	VS Code	JavaScript	MongoDB	Pytest	UML
Java	Bootstrap	MS Azure	Jupyter	TypeScript	JSON	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 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

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 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

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, 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
- CGPA: 3.9/4
- Award: FDU Entrance Scholarship (GPA ≥ 3.0) — 9 Terms
- Award: FDU Honors' List (GPA ≥ 3.5) — 7 Terms

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