

Dat Quach

Qualification Highlights

- **Skills:** Algorithms, Data Structures, Object-Oriented Programming, SQL, React, Git.
- **Languages:** C++, Python, C#, Java, TypeScript, UML.
- **Technologies:** VS Code, Visual Studio, Eclipse, IntelliJ IDEA, Trello, Next.js, Windows, WSL, Linux.

Education

FAIRLEIGH DICKINSON UNIVERSITY, VANCOUVER, BC

SEPTEMBER 2018 – MAY 2022

- **Bachelor of Science in Information Technology.** CGPA: 3.9/4.
- **Coursework:** IT Needs Assessment & Management, Website Design & Management, Discrete Structures, Digital System Design, Database Systems, Data Communications & Computer Networks, Computer Programming, Human Computer Interface, Cybersecurity Foundations.
- **Awards:**
 - Entrance scholarship by academic achievements.
 - Academic award: Maintain a GPA of 3.9/4.

Work Experience

EPIC SEMICONDUCTORS, WEB DEV INTERN

MAY 2021 – JULY 2021

- Worked as a developer with a team of 2 to propose a redesign and implement a front-end for the company's existing web site.
- Technologies used include React with NextJS, TailwindCSS, MongoDB and Continuous Integration and Deployment (CI/CD) to Vercel with GitHub Actions.

Programming Projects

OPEN-SOURCE DISCORD BOT PROJECT – REN

<https://github.com/SFUAnime/Ren>

Work with a team of 10 people, including 3 head developers on a Python-based Discord interactive bot extensively used in Simon Fraser University's Anime Discord server with nearly 2000 members. Main responsibility includes code reviews and weekly meetings to resolve issues and feature discussion.

WEB DEV PROJECT – FDU CAMPUSHUB

<https://fdu-campushub.vercel.app>

A project utilizing React, TypeScript, NextJS, TailwindCSS, Heroicons, with continuous deployment to Vercel to redesign the existing front-end of Fairleigh Dickinson University's WebCampus system. Worked as the project lead in a team of 4 during the Human Computer Interface course.

MLH FELLOWSHIP PREP PROJECT – WEATHER WEB APP

<https://github.com/MLH-Fellowship/prep-project-4.1.1>

A project for MLH Fellowship Prep Program, pod 4.1.1, utilizing React, JavaScript, Bootstrap, OpenWeather API, API Ninjas, Mapbox with automatic deployment to Netlify. Worked with a team of 15 to conduct meetings, implement features, solve issues and perform code reviews on GitHub.

OOP PROJECT – CHEST COMMANDS GUI EDITOR

<https://github.com/quachtridat/Chest-Commands-GUI-Editor>

A project utilizing C# Windows Forms and object-oriented programming to build an application which allows users to generate configuration data files for Chest Commands GUI (a Minecraft server plugin) more easily using a graphical interface, lowering 50% of the workload compared to writing YAML files.

Leadership and Volunteer Experience

CODE4FUN STAFF MEMBER | FAIRLEIGH DICKINSON UNIVERSITY DECEMBER 2018 – PRESENT

- Coordinate with other staff members to plan for the club's meetups, talks and meetings.
- UBC Local Hack Day 2019 hackathon participation as team FDU Tiamat.

WEBSITE DEVELOPMENT VOLUNTEER | SFU ANIME CLUB OCTOBER 2021 – PRESENT

- Redesign and develop a website for SFU Summerfest and integrate with WordPress CMS.
Designs and directions are given by SFU Anime Executive Team.