Triet (Kyle) Quach

GitHub account: https://github.com/kyle-quach | **Email:** tmquach@ualberta.ca | **Linkedin:** https://www.linkedin.com/in/kylequach/

Education

University of Alberta | Edmonton, AB

- BSc, Computer Science with Specialization
- **Awards:** A Maple Leaf First Year Excellence Scholarship, International Student Scholarship

Technical Proficiency

Languages:
- Typescript, JavaScript, Java, CSS, HTML, SQL, Python, C

Frameworks and Libraries:
- React, React Native, Redux, Spring, Three.js, TailwindCSS, Bootstrap

Software and Platforms:
- AWS, Git, SQLite, Firebase, MongoDB, Webflow, Figma

Technical Skills - Website development, Android Development, Prompt Engineering, Rest-API, Cloud Architecture, Data Structures,Database Management, Machine Learning, Object-oriented programming, Functional programming, Reinforcement Learning, Operating System.

Work Experience

Founder | Fridge Rage | Toronto, ON   **May 2023 - Present**

- Build a software using **generative AI** to help create innovative recipes to reduce waste of leftover food.
- Leading a team, I architected an end-to-end web application leveraging **React** for the front-end, Java with **SpringBoot** for the back-end, OpenAI API with **function calling** to power the GenAI features and finally integrating **AWS services** like DynamoDB and Cognito. This project not only honed my skills in full-stack development but also gave me insights into team leadership, **system architecture**, and integration of various software components.
  To learn more or try the app: https://www.fridgerage.com/

Software Developer | Reverdan | Edmonton, AB   **September 2022 - April 2023**

- Part-time position working on a proof of concept project named Reverdan, whose focus is in health and pharmaceutical **data analysis**.
- I am responsible for implementing the UI using **React components, Redux, React Router** with **Javascript,** styling **CSS** by using the Bootstrap framework to provide a seamless and consistent user experience. In the back-end, I maintain the **AWS infrastructure** required to support the back-end such as the **API gateway** and **Aurora Database** under the supervision of the technical lead along with another developer.
  Reference: Rafael Pineros Rhon, Staff Software Developer at Intuit (rafaell_pinerosrhon@intuit.com)

Projects

Team Leader | QR Code Hunter, CMPUT301   **January 2023 - April 2023**

Learning objectives: apply **object-oriented analysis** and **design pattern**, write industrial **test cases,** practice **Agile methodologies**.

- Led a group of six students in creating an **Android application** to gamify geo-caching QR codes.
- The project uses **Java** (Android SDK), **XML** for designing interfaces, and **Firebase** for infrastructure.
- As leader, my responsibilities included not only writing code but also managing the pace of the project to ensure it met all client requirements on time. Acting as scrum master, setting up meetings, allocating work and

preventing scope creeps. I kept my team motivated and strived to develop a "no blame" culture in which everyone took accountability for and ownership of our work.

Project Demo : CMPUT301W23T17/JellyFizz: QR Code Hunter (github.com)

Owner | My 3D Personal Portfolio

- ▪ A personal website using Three.js for rendering and animating the 3D object, TailwindCSS for styling, and React Three Fiber for creating 3D models. The website is hosted in AWS.

To know more about me: https://www.kylequach.com

Certifications

AWS Certified Cloud Practitioner

Issued by: Amazon Web Services Training and Certification   **Credential URL: AWS Certified Cloud Practitioner - Credly**
Course description: I have learned a **fundamental understanding of IT services, networking , infrastructure, cybersecurity** and their uses in the **AWS Cloud**. They demonstrated cloud fluency and foundational AWS knowledge, and were able to identify essential AWS services necessary to set up **AWS-focused projects.**

Google Project Management Certification: Professional Certificate

Issued by: Google   **Credential URL: https://coursera.org/share/18eeeeda8315de74159d3097372640ce**
Course description: This comprehensive certification program provided me with an in-depth understanding of the fundamental practices and **principles of project management**, equipping me with the essential skills required to initiate, plan, execute, monitor, and close projects successfully. I gained hands-on experience in utilizing popular project management tools and methodologies, as well as insights into agile project management practices.

Advanced React

Issued by: Meta   **Credential URL: https://www.coursera.org/account/accomplishments/certificate/4DZR2QLHJTYL**

React Native

Issued by: Meta   **Credential URL: https://www.coursera.org/account/accomplishments/certificate/F6DXVNPKNLG7**

Programming with JavaScript

Issued by: Meta   **Credential URL: https://coursera.org/share/4471c24efb05521872620231fe3d0a96**

Introduction to Front-End Development

Issued by: Meta   **Credential URL: https://coursera.org/share/f317c4bda08ceb6151af98b115e1b0dd**

Introduction to Back-End Development

Issued by: Meta   **Credential URL: https://www.coursera.org/account/accomplishments/certificate/SKF39FJ7U5BJ**

Foundations of AR

Issued by: Meta   **Credential URL: https://www.coursera.org/account/accomplishments/certificate/H7WCHZ3LX485**

Introduction to Reinforcement Learning

Issued by: Meta   **Credential URL: https://www.coursera.org/account/accomplishments/certificate/277RU236B8UD**

Relevant Courses

CMPUT 301: Introduction to Software Engineering

CMPUT 291:Introduction to File and Database Management

CMPUT379: Operating System

CMPUT 204: Algorithms I

CMPUT 379: Introduction to Reinforcement Learning

CMPUT 267: Basics of Machine Learning

CMPUT 201: Practical Programming Methodology

CMPUT 229: Computer Organization and Architecture I

STAT 151: Introduction to Applied Statistics

STAT 265: Statistics 1

MATH 125: Linear Algebra 1

MATH 157,214: Calculus II, Calculus III