

# Khai Hung Luong

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## EDUCATION

### University of British Columbia

Sep 2018 – Apr 2022

Bachelor of Science | Major in Computer Science | **Cumulative GPA: 3.5/4.0**

**Awards:** Outstanding International Student Award, Deputy Vice-Chancellor Scholarship (3 years)

## SKILLS

**Programming Languages:** Python • JavaScript • SQL/PostgreSQL

**Technologies/Frameworks:** React.js/Next.js/Native • Typescript • Tailwind CSS • Framer Motion • Node.js • Prisma • Three.js

**Tools/Cloud:** AWS • Vercel • Google Cloud • Git • Docker • JIRA/Bitbucket • Webpack • Blenders • Figma

**Language:** English • French • Vietnamese

## EXPERIENCE

### Full-Stack Developer | 3C Dental Clinic ([Visit Site](#))

Dec 2024 – Now

- Increased user traffic by 20% after revamping the website using NextJS and Tailwind for SEO optimization.
- Reduced the database cost by 35% by optimizing database architecture and migrating to Prisma.
- Leveraged server-side rendering (SSR) to reduce page load speeds by 10%, which involved creating reusable RESTful APIs.

### Software Developer - Backend | D3 Security

May 2023 – Nov 2024

- Utilized Python and SQL to simplify the authorization procedures (OAuth 2.0, etc.) of third-party APIs to ingest data with SOAR security protocols. Developed RESTful endpoints using Django.
- Delivered Proof of Concept (POC) projects by collaborating with client-facing teams. Rapidly addressing complex requirements such as developing a 20 GraphQL functions for CrowdStrike integration in within two days to score a POC valued \$100,000.

### Machine Learning Software Developer Intern | HRS

Aug 2022 – Feb 2023

- Developed an NLP model with Python to predict the service code from multiple fields of invoices with Tensorflow and Alpine Docker, achieving 96% accuracy in production. Deployed the model to the production as RESTful APIs using Flask, Docker and Azure Container Registry.
- Worked with data scientists to assess the effectiveness of company's invoices by creating reports with Tableau.

### Web Developer | 3C Dental Clinic

May 2022 – Aug 2022

- Engineered an interactive web platform with React while implementing optimal SEO strategies, boosting user traffic by 20% within three months of implementation.
- Lowered the clinic's monthly expenses by 25% by migrating to AWS and centralizing management operations.

## PROJECT

### Full-Stack Web Developer | Viet Vibe Foundation ([Visit Site](#))

Oct 2024 – Now

- Led a team of 5 to develop an all-in-one web and mobile application enabling users to book lessons/events and stay updated with the latest event news using NextJS/React Native, Axios, Tailwind CSS and Prisma.
- Established a simplified digital tool that enabled over 50 non-tech members to create, edit, and share multimedia posts.
- Integrate Stripe by creating webhook to securely receive and process all payments events.

### 3D Worlds ([Visit Demo](#))

Mar 2024 – Now

- Utilized Three.js, Framer Motion and Blenders, to create powerful and intuitive 3D modeling and rendering experience, enabling users to immerse themselves in different 3D models with ease.

## LEADERSHIP

### Viet Vibe Foundation, Chief Technology Officer

Oct 2024 – Now

- Oversaw all technology processes and developed three crucial technology strategies which included managing Business Google Workspace, developing a website and implementing CRM software for project management.

## CERTIFICATION

### AWS Certified Solutions Architect – Associate

Feb 2023