Minh Le

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EXPERIENCE

VCAL TV — Westminster, CA

IT Associate — *Oct 2022 - July 2023*

- **Software Development**: Designed and developed an internal full stack app that help with inventory management. Built front-end using **React** and **Javascript**. Built back-end using **Node.Js** and **Express.Js**. Saved over **$1000** in labor cost and an efficiency increase of **50%** in preparation and processing time during a one month trial run period. Implemented and integrated live streaming video feature on company website.
- **Database Management**: Setup a database system for over 300 products to be sold on website, live TV shows using **PostgreSQL** and MS Excel.
- **IT Management**: Managed and oversaw IT infrastructure for web, TV and radio live-streaming shows. Assisted with production related tasks.

PROJECTS

OGP App — *A live games and scores mobile app.*

Stack: React Native, Expo, Typescript

- Designed and developed the front-end for a live games, tournaments, and scores display app for a local gym.

Full-stack E-Commerce App —

Stack: C#, .NET Core, Blazor WASM, EF Core, PostgreSQL

- Designed and developed a full-stack e-Commerce app using **Blazor** front-end, **.NET Core** back-end, and **PostgreSQL** database with integrated payment using **Stripe API**.
- Implemented **JWT** authentication and authorization.

Ploop — *A dynamic and interactive social art platform*

Stack: Node.Js, React, Typescript, PostgreSQL, Redux, Graphql, RabbitMQ, Docker, AWS S3, Cloudflare

- Designed and developed a full-stack social media app that allows users to create drawings and transform them into time-lapse videos.
- Built front-end with **React** with a drawing app on a **HTML** canvas. Integrated **Redux RTK Query** for state management, API calls
- Built back-end using **Node.Js** with **PostgreSQL** database. Implemented a **Micro-services Architecture** that communicates through **RabbitMQ** with **GraphQL** for efficient data aggregation and real-time communication.

Full-stack Employee Management App —

Stack: C#, .NET Core, Blazor WASM, EF Core, PostgreSQL

- Designed and developed a full-stack employee management app using **Blazor** front-end, **.NET Core** back-end, and **PostgreSQL** database that supports printing and exporting data to Excel and PDF files.

3D Flight Simulator — *A 3D Terrain Generation and Flight Simulator*

Stack: C#, Monogame

- Developed a simple flight simulator in a dynamically generating the 3D city environment in Monogame with lighting and shadow using HLSL. Implemented an advanced procedural terrain generator.

EDUCATION

University of California, Berkeley — *Berkeley, CA*

Physics

2021 – 2023

Orange Coast College — *Costa Mesa, CA*

Physics

2018 – 2021

PROGRAMMING SKILLS

- **Languages**: Javascript/Typescript, C#, Python, SQL, NoSQL

- **Technologies/Frameworks**: Node.Js, Express.Js, React, ASP.NET Core, Blazor WASM, Redux RTK Query, Redis, GraphQL, EF Core, SignalR, RabbitMQ, Docker, REST API, Git

- **Databases**: PostgreSQL, Cloudflare, AWS S3, MongoDB