PROFILE 🏃

As a versatile software engineer, I possess a strong foundation in computer science and electrical engineering. Through hands-on involvement in projects such as MiniAmazon, MiniMeetup, and MiniSlack, I've refined my expertise in React, Flask, SQLALchemy, Sequelize, Express, and other technologies. My commitment to excellence and collaborative approach make me a valuable asset in dynamic environments, where I excel in contributing to innovative projects.

EDUCATION 📖

App Academy Bootcamp
- ✅ Full-stack Software Development
- ✅ Python | Javascript
- ✅ Flask | Express | React | Redux
- ✅ Sequelize | SQLAlchemy | Docker

University of Washington - Seattle
- ✅ *B.S. in* Electrical Engineering
- ✅ Embedded Systems concentration
- ✅ Annual Dean's List Awards
- ✅ Major GPA: 3.84

CONTACT 📞

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Location
Seattle, Washington, United States

HOBBIES 🎈
- Exercising
- Hiking
- Billiards
- Reading

LANGUAGES 🚩
- ✅ Fluent in English
- ✅ Fluent in Vietnamese
- ✅ Conversational Mandarin

HAO TUONG LAM 💼 🐙 Pf

Software Engineer

LANGUAGES	Javascript, Python, Ruby, C, C++, Java, HTML, CSS, SQL
FRAMEWORKS	Flask, Express, React, Rails
DATABASE	Sqlite3, Postgres, MongoDB
TOOLS	Sequelize, SQLAlchemy, Redux, Docker, Websocket, AWS
SKILLS	DSNA, DB Design, self-learning, Full-stack development

EXPERIENCES

MiniAmazon 📁   Mar 2024

- Incorporated a custom login feature using **Google OAUTH**, enhancing user experience, security, and streamlining login/signup process for scalability.
- Simplified product image management with **AWS** for efficient upload and download processes.
- Facilitated concurrent checkouts and customer service interactions via **websocket** integration, utilizing a chatbot for seamless support.
- Implemented a product magnification feature using **Vanilla JavaScript**, enabling users to zoom into product images when hovering over them.

MiniSlack 📁   Feb 2024

- Leveraged **Docker** for seamless deployment, ensuring cross-platform compatibility for effortless setup on any machine.
- Integrated message reactions using the **Open Emoji API** to elevate user experience and interaction within the app.
- Implemented protection against **CSRF** attacks by integrating **FlaskWTF**, enhancing the security of the application.
- Utilized **Redux** to efficiently manage data retrieved from the database, significantly boosting application speed and enhancing overall user experience.

MiniMeetup 📁   Jan - Feb 2024

- Enhanced security measures by employing **Bcrypt** hashing function to salt and hash passwords, mitigating rainbow table attacks effectively.
- Improved user experience by integrating the **Google Maps API** to display venue addresses on a map.
- Streamlined address input by integrating the **Google Geocoding API**, eliminating the need for manual entry of latitude and longitude coordinates.
- Implemented complex table relationships using **PostgreSQL**, ensuring data integrity and optimal performance.
- Utilized **Sequelize** (ORM) to save time during development and mitigate **SQL injections**, ensuring enhanced security and efficiency in database interactions.