

David Luu

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EDUCATION

Virginia Tech

Expected May 2027

Major: Computer Science

Programming Courses: Introduction to Software Design, Discrete Mathematics, Software Design and Data Structures(Current)

PROFESSIONAL EXPERIENCE

Hackathon Team Coordinator

June 2024 - September 2024

- Led team of 4 to practice testing raw data with **NodeJS and Express**, scheduled weekly tickets on the kanban board within Github to divide work for each key member to prepare before the event by reviewing each other pull requests while discovering how to run queries and route handling
- Designed interactive visual models and comprehensive schemas through **Figma**, streamlining understanding of routing paths, significantly improving inter-team communication and collaboration effectiveness

Receptionist

January 2018 - December 2022

- Engaged with a diverse customer base, addressing questions and processing orders in two languages; created a welcoming atmosphere that led to a 60% increase in repeat customer interactions over six months
- Communicated with coworkers and floor managers to create an efficient and safe working environment and clear roles for clean-up and food delivery

SOFTWARE PROJECTS

Travel Tracker

June 2024 - Present

- Implemented a React web application that allows user to input their “places been” and view their history, integrated with **Google Maps SDK**
- Implemented an Express NodeJS server, storing data in **MySQL** and hosted on **Amazon EC2**
- Worked in a scrum team with three college students and one VT alumni

RealtorAI

September 2024

- Created a React training web application for aspiring real estate professionals, enabling users to interact with a Realtor chatbot through text input.
- Worked in a hackathon **scrum team** with three other college students, completed under **36 hours**

Degrees of Music

May 2024 - June 2024

- Created a user authentication through **Six Degrees of Separation** concepts and integrated with **RESTful Spotify API**, enhancing user engagement through personalized music recommendations
- Utilized a data structure algorithm, **Breadth-First Search** to categorize the user's genres with their top five artists, resulting in a response time of *under 2 seconds* and enhancing user interaction across the application.

SKILLS

Proficient: Java, Python, Flask, NodeJS, Express, React, MySQL, GitHub Actions

Familiar: JavaScript, HTML/CSS, RESTful API, Web API, Figma, MongoDB