

Vinh Le

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EDUCATION

B.S. in Software Engineering GPA: 3.763

University of Texas at Dallas

Expected Graduation: May 2022

Richardson, TX

PROJECTS

ASL Buddy, Python Application

- Created a Python game using PyGames, Tensorflow, and OpenCV to promote learning the ASL alphabet
- Trained neural network using Google AI's Inception and dataset of the ASL alphabet to recognize correctness
- Placed 3rd in the Most Viable Startup Track at Hack the North East 2020 Hackathon

Collabify, Web Application

- Created Python Flask app that allows real time collaboration of music through use of the Spotify API
- Implemented SQLite database using Flask-SQLAlchemy framework to store session details for each user
- Generate real-time UI updates using Socket.io and Flask-Socketio to establish client-server communication

Trek, Mobile Application

- Created a React-Native app that generates personalized walking routes with the Google Maps API
- Used Flask backend server to call on API and handle route generation algorithm
- Placed 2nd Overall at MLH Backyard Hacks 2020 Hackathon

Twin Eagle, Java Application

- Created a top-down, scrolling arcade shooter with a GUI interface from scratch using Java
- Programmed enemies to actively target the player using constantly updating position of the player sprite

Blokus, Java Application

- Recreated Blokus, a popular board game, in Java by implementing the GridWorld API
- Implemented piece rotation mechanics with ArrayList and custom rotation algorithm

EXPERIENCE

Workrise

Software Engineering Intern

Austin, TX

June 2021 - August 2021

- Implemented and configured Spotify's Backstage developer portal platform using JavaScript
- Created custom plugin to measure active contributors and lead time to production of microservices

Chi Phi Fraternity

Vice President

Psi Zeta Chapter

November 2020 - Present

- Appointed and managed committee chairman to oversee internal chapter operations
- Drafted amendment to chapter bylaws to facilitate better transition between committee chairmen

Public Relations Chairman

April 2019 - August 2020

- Designed and marketed merchandise that exceeded 150 units sold, doubling previous sales
- Contacted and secured corporate sponsors for semesterly event with over 1,000 attendees
- Directed committee members in managing fraternity social media accounts

ADDITIONAL

- **Technical Skills:** Java, C++, HTML/CSS, Python, Flask, React-Native, SQL
- **Relevant Coursework:** Introduction to Machine Learning, Computer Architecture, Data Structures and Algorithmic Analysis, Linear Algebra, Discrete Mathematics, Software Engineering and Agile Methods
- **Honors & Awards:** National Merit Finalist, MLH Backyard Hacks 2020 - 2nd Place, Hack the Northeast 2020 - 3rd Place