Hoang Minh Le

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Education

University of California, San Diego | September 2023 - Current

Computer Science Major

Expected Graduation: August 2025

- Overall GPA: 3.661 | Major GPA: 3.760

San Diego Mesa College | August 2020 - June 2023

- Overall GPA: 3.91
- Associated Degree in Science for Transfer - Major Computer Science

Relevant Courses

- Intro to Machine Learning
- Component and Design Techniques for Digital Systems
- Design and Analysis of Algorithms, Mathematics for Algorithms and Systems
- Theory of Computability
- Advanced Data Structures in C++, Intermediate Java Programming
- Computer Organization and Assembly Language
- Intro to Computer Architecture: A Software Perspective
- Software Engineering (CSS, HTML, React, JavaScript)
- Database Systems Principles
- Recommender Systems And Web Mining.
- Intro to AI: Probabilistic Models
- Operating System Principles
- Intro to Computer Security
- AI: Search and Reasoning
- Top/Computer Sci & Engineering

Projects:

- *Group*:
  - Build 3 different models that could predict when the likelihood of a personal injury is higher based on the accident details. My work in this project is Data cleaning, encoding the attributes, doing validation splits, and building models, and finding where the model fits in the fitting graph and comparing it to other models).

- A food website allows users to upload recipes in text format. Users can also see other users' recipes and interact with these recipes such as like, mark as favorites, and leave comments. The website also allows users to use tags, and dropdown menus to filter the recipes based on the user's needs.
- Build 3 probabilistic models to predict the stock market trend using Basian Network, Hidden Markov Model (HMM), and Reinforcement Learning.
- Analyze how low wind speeds (below 10 m/s) affect PM2.5 emissions in urban India, specifically comparing petrol and diesel vehicles during heavy traffic.

- *Individual:*
  - Write a program in Python that takes as input a representation of an NFA over an alphabet and outputs a representation of a DFA over this alphabet that recognizes the same language.
  - Write a program in C++ that encodes and decodes a file.
  - Write a program in C++ to implement a graph from a data file (.csv) and then find the weighted/unweighted shortest Path from point A to point B, find the connected components and the smallest threshold.
  - Build a Minesweeper-like game using Java

Technical Skills

- **Programming Languages:** Java, C/C++, Python, HTML/CSS, SQL, JavaScript, Typescript
- Worked in an agile team before as a scrum master/project manager/developer
- **Tools:** Microsoft Office, Eclipse, Visual Studio Code, GitHub

Others

Proficient in both English and Vietnamese.

Personal website: https://hoangle0424.netlify.app/