

# TRI NGUYEN

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## EDUCATION

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**University of California, Santa Cruz** - Bachelors of Science, Computer Science, GPA 3.87, Dean's Honors List      2021 - 2025

## TECHNICAL SKILLS

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C++, C, Python, HTML, CSS, JavaScript, Git, Tableau, Microsoft Word, Windows, Linux

## EXPERIENCE & PROJECTS

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### Project | Personal Portfolio Website

*Project*

HTML, CSS | JavaScript

- Designed and developed a personal website to showcase my software development journey.
- Features an interactive platform allowing visitors to explore my coding projects. evolution, providing a dynamic visual representation of the simulation.
- Demonstrates my skills and expertise in web development and user interface design.

### Hackathon | CruzHacks Parking Map Project

*Hackathon*

Python | HTML, CSS | JavaScript | Flask

- Developed an interactive web application that assists users in locating available parking spots through a user-reporting feature, enabling real-time updates on parking availability.
- Utilized Python Flask for the backend, integrating it seamlessly with a frontend designed in HTML, CSS, and JavaScript.
- Implemented an interactive map interface with clickable buttons for different parking lots and dropdown menus for displaying lot names and spot availability.

### Project | Weather CLI App

*Project*

Python

- Developed a Python-based command-line application for global weather tracking.
- Integrated real-time weather data retrieval using the OpenWeather API.
- Enhanced user experience with seamless interaction and customizable options tailored for weather enthusiasts.

### Project | AI Pac-Man Pathfinder

*Project*

Python

- Developed an AI-based solution to navigate Pac-Man through intricate mazes.
- Implemented advanced search algorithms to optimize pathfinding and food collection.
- Achieved efficient goal-reaching strategies in complex, dynamic environments.

### Member | Slug CP

*UCSC Club*

C++ | Python

- Attend general meetings to learn new CS topics and practice problem-solving skills.
- Complete weekly problems and collaborate on small projects to build teamwork and technical skills.

## NOTABLE COURSES

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Computer Systems and Assembly Language, Artificial Intelligence, Analysis of Algorithms, Data Structures and Algorithms