

# Mahyar Vahabi

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## Education - B.S. Computer Science

Santa Cruz, CA

University of California, Santa Cruz

Sept 2020 - March 2024

- Major: BS in Computer Science
- Programming Coursework: Intro to Python - Programming Abstractions: Python - Computer Systems and Assembly Language - Computer Systems and C Programming - Data Structures and Algorithms - Analysis of Algorithms - Probability Theory (Intro to Machine Learning) - Applied Machine Learning - Computer Architect - Principles of Computer Systems Design (Multi-Threading)- Database Systems - Computer Networks

## Skills & Experiences

### Software:

- C/C++ (4 years)
- Python (3 years)
- Java (2 years)
- HTML/CSS (2 years)
- MATLAB & R (1 year)
- SQL & QBE (1year)

### Others:

- Object-Oriented-Programming (4 years)
- Data Structures (3 years)
- Machine Learning (2 years)
- Web-Dev (2 years)
- Full-Stack (2 years)
- Databases (1 year)

### Languages:

- English (Advanced)
- Farsi/Persian (Advanced)

### Current Jobs:

- Computer Science Expert AI Trainer - Scale AI (June 2023 - *present*):  
Operated on various projects to train generative AI models: ranking a series of code responses produced by an AI model, writing pieces of code with reasoning to show an AI model how to respond to prompts, and editing code written by an AI model to fix bugs and improve performance.
- Course Tutor and Reader - Baskin School of Engineering @ UCSC (Jan. 2022 - *present*):  
I provide personalized one-on-one instruction to students in different fields of STEM. Using my in-depth understanding of these topics, I help students master key concepts, improve problem-solving skills, and gain confidence in their abilities. Through my tutoring services, students have achieved notable academic success and increased their proficiency in these subjects.

### Work Experiences:

- SWE Intern - Baskin School of Engineering @ UCSC (Aug. 2022 - Jan. 2023):  
Built a lifesaving API in Python, utilizing Machine Learning techniques to analyze pattern recognition amongst patients' medical data and to predict possibilities of minor and major diagnoses.
- SWE Intern - LEEPS Lab @ UCSC (Aug. 2021 - Jan. 2022):  
Pioneered simulations of brand new economics theories research using oTree, utilizing Python to run scripts and creating a web interface, resulting in an improved user experience, better performance for data calculations, and more responsive graphing for depicting data to users.