

Melika Dabiri

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EDUCATION

California Polytechnic State University, San Luis Obispo (Cal Poly)

Bachelor of Science, Computer Science

expected to graduate in December 2025

GPA: 3.98

Relevant Coursework: Fundamentals of Computer Science, Data Structures, Discrete Structures, Introduction to Computer Organization, Project-Based OOP and Design, Intro to Database Systems

SKILLS

Programming Languages: C, C++, Java, Python, HTML, CSS, Javascript, SQL

Software Tools: VS Code, Eclipse IDE, PyCharm, Node.js, React

PROGRAMMING PROJECTS

To Do App, Web Application : Personal Project

Languages and Tools Utilized: Javascript, React, Node.js, HTML, CSS, PostgreSQL, Kinsta

• Created a full-stack interactive web application that allows the user to sign in and add to do items and update progress. Used VS Code IDE and deployed on Kinsta

Poker : Object-oriented programming project

Languages and Tools Utilized: C++, Eclipse IDE

• Created the poker game using OOP concepts

WORK EXPERIENCE

Intern, Quantum Foundry UCSB (June 2023 - August 2023)

- Performed data analysis to research diamond growth for quantum applications
- Utilized Pandas, Matplotlib, NumPy libraries for data visualization and analysis
- Utilized the GEMD library to create a visual representation of our research process on the website Quantum Data Hub
- Utilized PyCharm and Jupyter Notebook
- Presented weekly and developed strong presentation and science communication skills
- Created and presented scientific poster at poster session

C Programming Tutor, Santa Barbara City College (ongoing)

- Tutor for CS 137: C Programming (intro)
- Assist students with programming projects and concepts
- Help students troubleshoot and debug C programs
- Run Review sessions