Aneri Mody

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EDUCATION

University of California, Berkeley, CA   **Expected May 2024**
Bachelor of Science in Electrical Engineering and Computer Sciences (EECS)
Relevant Coursework: **CS 61A** (Structure & Interpretation of Computer Programs), **CS 61B** (Data Structures),
CS 70 (Discrete Mathematics and Probability Theory), **EECS 16A** (Designing Information Devices & Systems)

Long Beach City College, Long Beach, CA   **Jun 2022**
Associate of Science in Computer Science, Physics   **GPA: 4.0/4.0**
Relevant Coursework: CS12 (Advanced Computer Science using C++), CS22 (Data Structures and Algorithms),
CS51 (Computer Architecture), CS61 (Discrete Structures)

SKILLS

Languages and Tech Stack: Python, NumPy, Java, C++, C, SQL, MATLAB, HTML/CSS, R, Git, Docker, React

WORK EXPERIENCE

Undergraduate Research Intern – UC Berkeley School of Information   Jun 2021 – Aug 2021
- Advised by Professor Nilofar Salehi and funded by the Hopper Dean Foundation
- Conducted qualitative analysis for optimization of San Francisco Unified School District's matching algorithm using maxQDA
- Translated findings from qualitative research into design guidelines, identified areas of improvement
- Presented research to ~100 guests at the TTE research symposium and at SACNAS research conference

Computer Science Tutor – Long Beach City College   Aug 2020 – Jun 2021
- Assisted ~80 undergraduate students by explaining core computer science concepts and debugging their code
- Customized information to meet student's learning style and helped with homework, projects, test preparation, and other academic tasks

Administrative Assistant – Shri Ganesh Inc.   Jan 2019 – Jan 2020
- Decided optimal solutions for controlling business expenses, product usage and time organization
- Managed all inventory orders, office deliveries, client-personnel meetings, and file organization

ACADEMIC PROJECTS

Ants
- Implemented a tower defense strategy game in Python using various structures and strategies

Scheme Interpreter
- Developed an interpreter for a subset of the Scheme language using Python

Banking Project
- Utilized the fundamentals of object-oriented programming to implement a fully functional banking system in C++

LEADERSHIP EXPERIENCE

TechOps Officer, UC Berkeley IEEE Student Branch, Berkeley   Aug 2022-present
- Coordinating with the team to host an IEEE hackathon
- Controlled IEEE server and conducted basic server maintenance

Middle School Volunteer at MLK Middle   Sep 2022-Dec 2022
- Mentoring middle school students in choosing a career path and homework assistance