

# Ibrahim Shoukry

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## EDUCATION

### University of California, Berkeley

Berkeley, CA

BS, Electrical Engineering & Computer Sciences

Graduating December 2025

**Coursework** *Structure & Interpretation of Computer Programs (Python, Scheme, SQL),  
Designing Information Devices and Systems I & II (Linear Algebra, Circuits, Controls),  
Data Structures & Algorithms,  
Advanced Programming with C and C++*

## TECHNICAL SKILLS

**Languages:** C++, C#, Python, Java, Javascript, HTML, CSS, SQL

**Libraries:** Numpy, Pandas, Selenium, nltk, JSON

**Dev Ops:** Git, Figma, Google Cloud Platform, Vercel, Jupyter Notebook, ICP

**Other:** ROS, Cloud Computing, Computer Vision, Geospatial Data Analysis

## EXPERIENCE

### Web Developer

Jul 2023 – Aug 2023

*Ascent Rock Climbing*

*Cairo, Egypt*

- Launched a website for a rock climbing gym where information about classes and announcements were posted
- Utilized Figma to craft intuitive user interfaces and design layouts, ensuring optimal user experience and functionality.
- Implemented Next.js as a dual front-end and back-end solution, resulting in an improvement in page load times and an increase in overall system responsiveness.

### Software Engineer

May 2024 – Aug 2024

*Evitado Technologies*

*Hamburg, Germany*

- Tasked to segment moving objects from Lidar scans to identify their risk to moving commercial aircrafts on-ground
- Conducted research on different deep learning solutions to achieve the task at hand
- Optimized open-source software to adapt to custom data including RosBags and similar geospatial data

## PROJECTS

### OneMusic | *React.js, Google Cloud Platform, Git*

[Devpost](#)

- Built a website for seamless music playlist migration between platforms as part of the CalHacks 9.0 hackathon project
- Tasked with accessing YouTube Music for transferring to and from the platform
- Used Google Cloud APIs for Google login using OAuth 2.0 and copying as well as adding music to YouTube Music playlists
- Submitted project allowed transfers of music playlists between platforms such as Spotify and YouTube Music

### Counseling Chatbot | *Jupyter Notebook, JSON, Numpy, Pandas*

[Project Page](#)

- Worked with a team of developers in Project Bracket to tackle an issue faced by incoming freshmen of Diablo Valley College
- Implemented a Machine Learning based chatbot using Python
- Utilized JSON integration to train the chatbot in question recognition, enabling it to deliver the most relevant answers efficiently
- The chatbot assisted new students who were unable to meet with a counselor before the semester started with class choices, schedules, and any academic counseling-related questions

### Personal Portfolio Website | *Git, Figma, Vercel*

[Portfolio](#)

- Created a personal website to showcase a portfolio of past and upcoming projects, along with additional information about myself
- Employed vanilla JavaScript, HTML, and CSS for both front-end and back-end development tasks, ensuring robust and seamless functionality across the entire application stack
- Devised a visually appealing and user-friendly design layout utilizing Figma
- Deployed website using Vercel