

# Adnaan Sachidanandan

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## Experience

### Vocode – Sep 2023 - Now

#### Founding Engineer

- Joined as an early hire and scaled core product, which runs AI agents on phone calls by combining LLMs with transcription and synthesis
- Designed and implemented fundamental product functionality as well as various improvements in system reliability and observability
- Led projects and managed relationships for multiple key customers, helping them adapt the product to their production use-cases
- Trained custom LLMs for intelligent conversational agents and features like voicemail detection, and created internal pipelines for the entire ML lifecycle from data curation to model evaluation

### UC Berkeley RISE Lab – Mar 2021 - Aug 2022

#### Undergraduate Researcher

- Conducted computer vision research on 3D novel view synthesis for scene reconstruction and representation under Prof. Joseph Gonzalez

### Scale AI – June 2021 - Aug 2021

#### Software Engineer Intern

- Developed character-level OCR model for project with key customer to predict pixel-perfect polygons with over 85% accuracy

### UC Berkeley CS 170 Course Staff – Feb 2020 - May 2022

#### Teaching Assistant (uGSI)

- Taught multiple discussion sections for over 150 undergraduate students in UC Berkeley's course on Efficient Algorithms

### Apple – June 2020 - Sep 2020

#### Intern - Siri

- Built Siri functionality to enable emergency contact calling – [released to public in iOS 14.5](#) – and worked on Siri functionality for RTT/TTY calling
- Worked in Swift, Objective-C, and Java across three different repos
- Interfaced with design, NL, testing, and other teams during development

### VMware – May 2019 - Aug 2019

#### Cloud Engineering Intern

- Designed and implemented an internal system that improves the end-to-end release cycle for VMware's private cloud product
- Worked on a full-stack system with an Angular frontend, Spring/Java backend, and Postgres database/persistence

## Education

### University of Cambridge – Sep 2022 - Aug 2023

#### MPhil in Machine Learning and Machine Intelligence

**Dissertation:** [3D Pose Estimation and Topology Reconstruction Using Foundation Models and Render and Compare](#)

**Key Coursework:** Probabilistic ML, Computer Vision, Deep Learning, Advanced Robotics, Machine Translation & Dialogue Systems, Advanced ML

### UC Berkeley – Aug 2018 - May 2022

#### BA in Computer Science, BS in Business Administration

**Key Coursework:** Efficient Algorithms, Artificial Intelligence, Probability and Random Processes, Machine Learning, Computer Graphics, Grad Computer Vision

## Languages, Frameworks, Tools

- **Languages:** Java, Python, Javascript/Typescript, C, C++, SQL, HTML/CSS, Swift, Objective-C
- **Frameworks/Tools:** PyTorch, Tensorflow, NumPy, Keras, Node.js, Angular, GCP, AWS, Terraform, Asyncio

## Recent Awards

### Master's Distinction – Fall 2023

- Awarded to the top students in each MLMI cohort based on grades/marks in coursework and the dissertation

### Phi Beta Kappa Honor's Society – Spring 2022

- Top 10% of graduating class at UC Berkeley

### IEEE Upsilon Pi Epsilon Member – Fall 2019

- Top 25% of CS Students at UC Berkeley