Adnaan Sachidanandan

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Education

University of California, Berkeley – Computer Science, Business Administration   2018 – 2022

Relevant Coursework: Efficient Algorithms, Artificial Intelligence, Data Structures, Machine Structures, Discrete Mathematics and Probability Theory, Linear Algebra and Differential Equations, Probability and Random Processes

Experience

Apple – June 2020 - Present

Siri Experience Intern

- Building new functionality related to emergency response in Siri

UC Berkeley CS 170 Course Staff – February 2020 - Present

Incoming Teaching Assistant (uGSI), Past Academic Reader

- Graded homework and exams for undergraduate students in UC Berkeley's course on Efficient Algorithms
- Participated in Office Hours to answer questions and teach students concepts they do not understand

UC Berkeley RISE Lab – Sep 2019 – June 2020

Undergraduate Researcher

- Researched the applications of deep learning on database systems with Zongheng Yang under Prof. Ion Stoica

VMware – May - 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
- Worked in an Agile development process with biweekly sprints

Vizru – Jun - Aug 2018

Technical Intern

- Created chatbot system in Python to be implemented in Vizru's workflow that implements SnipsNLU for intent parsing and classification
- Developed a parser both in Python and their workflow with regular expressions to process complex files provided by a client

Student Organizations

Berkeley Consulting – February 2020 - Present

Consultant

- Developed an improved marketing strategy to physicians for a pharmaceutical manufacturer
- Advised on opportunities for growth in the hospitalization market

Cal Hacks – August 2018 - Present

Director, Tech Team Lead

- Led a team of five directors to work on the entire Cal Hacks tech suite, including the application system which supports over 5,000 applications and the main website
- Led judging for Cal Hacks 5.0 and 6.0; gathered judges for the event and managed the judging expo and criteria

Awards

IEEE Upsilon Pi Epsilon Member – Fall 2019

- Top 25% of CS Students at UC Berkeley

PennApps Route | Best Google Cl oud Machine Learning API Hack – Oct 2017

- Won at PennApps XVI; Project: Karo

Best Use of Expo.io – Oct 2017

- Won at PennApps XVI; Project: Karo

Top 30 at PennApps – Oct 2017

- Won at PennApps XVI; Project: Karo

Meridian Best Medicare Adherence App – Sep 2016

- Won at MHacks 8; Project: Health.me

HackingEDU 2nd Place Winner – Oct 2015

- Won at Hacking EDU; Project: HackChair.js

Selected Projects

Karo

- An automatic manga translator that uses a convolutional neural network, flood-fill algorithm, and Google services to detect and translate text blurbs

Net-Collector

- A system that enables individuals to set up probes in networks to gather internet packets for monitoring the network

Grommit – In Collaboration with Palantir

- A website that displays a map with color-coded tiles over Palo Alto representing the time it takes to travel to those tiles from a selected location
- Users can compare different transportation methods to see which one is the best for them

Languages, Frameworks, Tools

- Languages: Java, Python, Javascript, C, SQL, HTML/CSS, Typescript, Scheme
- Frameworks/Tools: Node.js, Flask, Spring, Angular, PostgreSQL, jQuery, Keras, Git, NumPy, Jupyter, UNIX, Maven, GCP, AWS