Adnaan Sachidanandan

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Education

University of California, Berkeley – Computer Science – 4.0 GPA   **2018 – 2022**

- <u>Relevant Coursework</u>: CS 61A: Structure and Interpretation of Computer Programs, Math 54: Linear Algebra and Differential Equations, CS 61B: Data Structures, CS 70: Discrete Mathematics and Probability Theory

Experience

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.

Challenge To Conquer – Sep 2016 - Present
Website Developer
- Built the website for the organization, a nonprofit collecting donations in the US for financially-challenged hospitals in India
- Designed and wrote code for the website from scratch using jQuery and Bootstrap
- Currently working on full redesign of the website to add a responsive structure and improve the content

GunnHacks – Sep 2015 – May 2018
Head Organizer
- Organized iterations of the event for over three years
- Created the hackathon website, gathered sponsors, and organized the logistics of the event.
- Managed the entirety of GunnHacks 4.0 as a head organizer

ON.Lab – Jun - Aug 2017
Technical Staff Intern
- Wrote a proof of concept with gNMI for developers of the analytics portion of an open source project, CORD
- Created a topology overlay application for another open source project, ONOS
- Wrote testing scripts and fixed issues in the code for ONOS

Palantir – Feb 2016 - Sep 2017
Project Collaborator
- Worked on a Javascript project, called Grommit, with engineers and project managers from Palantir

TiVo – Jul - Aug 2016
IT Intern
- Set up a system that tested multiple API's and constructed an HTML page displaying the results and other information for each API test
- Created a program that recorded the screen during automated tests involving Selenium

Programming Languages and Skills

- <u>Expert:</u> Java, Python, Javascript, HTML and CSS, Git, REST, Firebase
- <u>Proficient:</u> PHP, Scheme, Node.js, Flask
- <u>Basic:</u> Swift, Go, SQL

Awards

PennApps Route | Best Google Cloud 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 HackingEDU; 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
- 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

Organization Positions

- Cal Hacks (UC Berkeley) – *Director*
- Statistics Undergraduate Student Association (UC Berkeley) – *Research and Publication Committee*
- United Computations (Gunn) - *Vice President*
- TEDxGunnHighSchool - *Head of Tech*
- Gunn Virtual Reality Club - *Head of Programmers*