

Adnaan Sachidanandan

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Education

University of California, Berkeley – Computer Science – 4.0 GPA

2018 – 2022

– Candidate for Upsilon Pi Epsilon (CS Honors Society)

Relevant Coursework: Efficient Algorithms, Artificial Intelligence, Data Structures, Machine Structures, Discrete Mathematics and Probability Theory, Structure and Interpretation of Computer Programs, Linear Algebra and Differential Equations

Experience

UC Berkeley RISE Lab – Sep 2019 - Present

Undergraduate Researcher

- Currently researching the applications of deep learning in database query optimization with Zongheng Yang under Prof. Ion Stoica

Cal Hacks – August 2018 - Present

Director, Tech Team Lead

- Leading 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
- Managed general event logistics as well at the time of the event

VMware – May - Aug 2019

Cloud Engineering Intern

- Designed and implemented, from scratch, 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
- Presented system to an internal company-wide audience

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

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

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

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 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