

ABINESH SARVEPALLI

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EDUCATION

University of California, San Diego

Bachelor of Science (B.S.): Cognitive Science and Computation, m. Computer Science

La Jolla, CA

Aug 2016 – Jun 2019

SKILLS AND EXPERTISE

Relevant Coursework: COGS108 (*Data Science in Practice*), CSE30 (*Assembly Language and C*), CSE100 (*Advanced Data Structures in C++*), Math18 (*Linear Algebra*)

Programming Languages: Python, HTML/CSS/JS, Java, Apple Swift, C, Objective-C, C++

Developer Tools: Git, XCode, Android Studio, Eclipse, vim

RELEVANT EXPERIENCE

Dorrestein Lab

Assistant Software Engineer

La Jolla, CA

Mar 2017 – Present

- Created open-source modules for MZmine2 targeted at GNPS integration using Java frameworks
- Designed automated workflows using Python scripts for spectrometry data processing for GNPS Data Analysis
- Deployed and scaled developed tools for large data sets (public on <http://www.gnps.ucsd.edu>)

Connectrex Corp

Mobile Applications Developer

San Francisco, CA

May 2016 – Sep 2016

- Developed iOS application implementing biometric authentication frameworks
- Learned to work with REST APIs and asynchronous callbacks (JSON format)
- Worked with six-person team to deploy application

PROJECTS

Specto

- Web interface solution intended to add biometric security for ATM machines using facial recognition
- Applied knowledge of REST APIs to communicate with a third-party biometric API

Rekt

- Developed iOS application for drivers to facilitate information exchange during a vehicular collision
- Worked in a four-member team to design and develop mobile application reference open-source APIs

iRun

- Rudimentary fitness application implementing location services and basic accelerometer data
- First iOS application coded in Objective-C using XCode
- Created UI elements and connect iOS events to methods and IBObjects

(More Projects on Personal Website: <http://abisarvepalli.github.io/>)

AWARDS AND RECOGNITIONS

First Place at OHacks 2016

O' Hacks 2016

Feb 2016

- Awarded "Best iOS Application" and "Best Hack" at OHacks '16 Hackathon
- Submitted "Rekt" (reference Projects section)
- Referenced in an Oakland North article

Semi-finalist in the VEX Robotics Competition

VEX Robotics Competition at Modesto

Dec 2013

- Led Saint Francis's A Team at the VEX Competition
- Delegated work and established deadlines for certain tasks

EXTRACURRICULARS

- Association for Unmanned Vehicle Systems (AUVSI)
- Data Science Students Society (DS3)