

Rohan Taori

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Education

UC Berkeley Electrical Engineering and Computer Science, Class of 2020 Aug 2016

Awards: Regents' and Chancellor's Scholar (top 2% of incoming class)

Coursera (Online) Mar - Dec 2015

Courses: Algorithms Part I, Algorithms Part II

Experience

Software Automation Engineer – Dreamable Jun - Aug 2016

- Worked closely with company founders on early-stage product development
- Created complete UI test suites for each of the company's platforms: web, iOS, and Android
- Technologies: Rspec, Selenium Webdriver, Capybara, UITest, C#, Ruby, HTML

Software Development Intern, Test Cloud – Xamarin [Now Microsoft] Jun - Aug 2015

- Developed cross-platform test suites using UITest in C# and Calabash in Ruby
- Worked on apps from Uber, Pinterest, and Trello, giving engineers feedback on app performance
- Spearheaded the rollout for UI scripting support on Appium's Java framework

Co-Founder & President – SFHS Programming Club Feb 2014 - May 2016

- Coached analysis and design of algorithms and data structures to various competitive coding problems
- Directed a year-long series on beginning web and app development for new members
- Held mock competitions to train regularly and prepare for programming competitions and hackathons

Project Highlights

Take a Picasso – Best Hardware Hack @ CalHacks Nov 2016

- Built a robotic sketch artist that takes a picture of a user and creates a pencil sketch on canvas
- Wrote an Arduino script to control stepper motor movements based on canvas coordinate destinations
- Used OpenCV to find contours of the user's face and vectorize the sketch into a set of lines

MyFi.py Oct 2016

- Created an online service that allows users to view real-time attendance at various events around them
- Used wifi pinging capability via fping to estimate device and person counts
- Implemented Firebase backend for storing and rendering information a live website with JS

Rekt – 1st Place Winner @ OHacks Feb 2016

- Developed an iOS app that introduces a streamlined way to help flustered drivers deal with accident logistics
- Features include easy emergency contact, storing accident pictures, and quickly exchanging information
- Worked on accident information to store crash pictures and use Google Maps API to share location

DroneFPS Nov 2015

- Built an AR shooting game that allows user to shoot at zombies on a drone's live feed
- Implemented a JavaScript library to hack the drone and control it with a PS3 controller

Recognition

Best Hardware Hack and Best 3D Printing Hack at CalHacks for the project Take a Picasso

Perfect score on Computer Science AP test – achieved by 67 out of 50,000 worldwide students

2nd place in Advanced Division at Silicon Valley HP CodeWars – out of 60+ teams

2nd place in Advanced Division and team with most solved problems at Lockheed Martin CodeQuest

Best Overall Hack at Oakland Hacks for the app Rekt

Skills

Languages: Java, C#, Python, Ruby, HTML/CSS/JS

Theory: string manipulation, graph searching, FSMs, sorting, arrays & lists, stacks/queues, U-F, trees