

Rutu Samai

EDUCATION

BS COMPUTER SCIENCE -Cal Poly State University-San Luis Obispo Graduation: 2020

- Coursework: Object Oriented Programming, Data Structures & Algorithms, Computer Organization, Computational Art, Technical Writing for Engineers

EXPERIENCE

SOFTWARE ENGINEERING INTERN-Lockitron 2017 - Sep 2017

- Worked on a Y Combinator company iOS app feature called Sense, a Bluetooth feature that automatically triggers a smart door lock by proximity, for 11,000+ users
- Tested Bluetooth background communication by creating debug modes to simulate Geofence triggers and monitor RSSI (received signal strength indicator)
- Synced the encrypted pipe to secure processes- new users/pin codes, switch locks

CO-FOUNDER & DIRECTOR OF TECHNOLOGY-SLO Hacks Feb 2017 - Present

- Managed a team of 6 designers and developers building 4 event websites with a custom application system using Firebase
- Conducted 55+ user research interviews to optimize landing page UI/UX, increasing test run application completion by 45%, and ensuring QA by prioritizing backlog
- Cal Poly's 1st Major League Hacking hackathons with 800+ attendees, 20+ sponsors

SUMMER IMMERSION PROGRAM-eBay Girls Who Code June 2015 - Aug 2015

- Created Plantae, a website that assists users in maintaining home gardens by accessing a plant database and receiving care notifications
- 250+ hours of instruction in Python, Arduino, and basic web development

SKILLS

LANGUAGES – Proficient: Python, Java Intermediate: Objective C, Swift, HTML, CSS

SOFTWARE/OTHER – Xcode, Sketch, Android Studio, Linux/Unix, Git, Jira

PROJECTS

IMAGES AND FILTERING Feb 2017

- Coded a Python program that applies algorithms to blur, fade, and decode hex images, with data from command line input to manipulate pixels

SLOGO- Camp PolyHacks-2nd Place Jan 2017

- Led the product team to design and develop an iOS app for crowdsourcing volunteers to map unused territory in San Luis Obispo, using GPS
- Modeled Augmented Reality features to incentivize user adoption

FIT TO FIGHT – Alameda County Hacks: Honorable Mention Award Jan 2016

- Used the FitBit API to create a health-centric web app
- Closed deals with local hospitals to donate free consultations to uninsured users

LEADERSHIP

DIRECTOR OF MENTORSHIP-Camp PolyHacks March 2017 - Present

- Built strategic company partnerships, arranged judging criteria, and crafted a mentorship program to connect 150+ students with industry tech leaders

VP PUBLIC RELATIONS-Cal Poly Mobile App Dev Club Jan 2017 - June 2017

- Spearheaded inter-club events, thus increasing club growth by 150% over 3 months
- Organized workshops on pioneering topics-App Analytics, Artificial Intelligence, etc