

# Rutu Samai

## EDUCATION

**BS COMPUTER SCIENCE -Cal Poly State University-San Luis Obispo** Grad: June 2020  
• Coursework: Data Structures/Algorithms, Object Oriented Programming, Computer Organization, Statistics, 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 200+ attendees, 15+ 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, 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