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Rutu Samai

EDUCATION

BS COMPUTER SCIENCE -*Cal Poly State University-San Luis Obispo*   Grad: June 2020
- Data Structures/Algorithms, Object Oriented Programming, Systems Programming, Computer Organization, Statistics, Comp. Art, Tech Writing, Computer Architecture

EXPERIENCE

EXPLORER INTERN- *Microsoft*   June 2018 - Present
- Enabling users to build a Docker image file with Azure Container Registry, create build tasks and registries, and deploy to Azure Cloud Instances
- Pushing code to the Visual Studio Code extension with 3.8 million downloads
- Acting as part time Program Manager while conducting/documenting user personas, stories, interviews. Writing a spec and designing wireframes/prototypes

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

FOUNDER & DIRECTOR OF TECHNOLOGY- *SLO Hacks*   Feb 2017 - Feb 2018
- 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

SKILLS

LANGUAGES–Python, Java, C, Typescript, Assembly, Obj C, HTML/CSS

SOFTWARE/OTHER– InVision, Xcode, Node.js, Sketch, Android Studio, Linux/Unix, Git

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 product team to develop iOS app for crowdsourcing volunteers to map unused territory in the city, using GPS and Augmented Reality 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

LEAD DIRECTOR- *Camp PolyHacks*   March 2017 - Present
- Spearheading all operations/logistics, marketing strategy, product/brand dev for a 200 person human-centered, interdisciplinary, social entrepreneurship hackathon
- Previously Mentorship Director- Built strategic company partnerships and raised 25K with companies like Amazon, GE Digital and crafted a mentorship program

VP PUBLIC RELATIONS - *Cal Poly Mobile App Dev Club*   Jan 2017 - June 2017
- Initiated inter-club events and increased club growth by 150% over 3 months
- Organized workshops on pioneering topics-App Analytics, Artificial Intelligence, etc