

# VANSH GANDHI

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## Skills

### LANGUAGES

Java/Kotlin (Android)  
Python  
JavaScript (Node.js)  
C/C++  
Bash/Shell  
Swift

### TECHNOLOGIES

RxJava  
Git  
Unix  
REST  
Heroku  
MQTT  
WebSockets

## Education

University of California, Los Angeles – Computer Science – GPA: 3.62

Dec 2018

Courses: Machine Learning, Computer Security, Computer Networking, Algorithms and Data Structures

## Experience

### Salesforce

Software Engineer

Present

- Returning to the Certificate Services team within the Infrastructure Security group
- Integrated Salesforce's homegrown certificate authority into the Certificate Service offered throughout Salesforce, which processes and issues 3000+ internal certificates a month
- Created a modular framework to automatically validate and approve Certificate Signing Requests based upon Salesforce Certificate Standards which cross reference asset and host ownership with the creator of the CSR

### Salesforce

Software Engineer, Intern

Summer 2018

- Worked on the Certificate Services team within the Infrastructure Security group
- Created module to securely store credentials in a secret management service which is now used by all of the team's services and tests

### Airbnb

Software Engineer, Intern

Summer 2017

- Developed a flow to manage payment methods on the Android app using the MVP architecture with over 90% test coverage
- First person at the company to ship production Kotlin code and helped to set Kotlin standards for the entire Android team
- Created new backend API endpoint with Ruby on Rails to allow users to edit their payment methods

### AirMap

Software Engineer, Intern

Jun 2016 - Jun 2018

- Developed the Android app from scratch and released on the Play Store with over 300,000 installs
- 99% of users are crash-free, and have an average rating of 4.2 on the Play Store
- Wrote open source Android SDK, used by DJI, Samsung, and over 100 other developers
- Advised and provided support to drone manufacturers using the SDK within their Android apps
- Made use of RxJava to process complex data flows

### Bakkle

Co-founder

Apr 2015 - Jun 2016

- Created a new, novel, mobile-first approach to buying and selling goods in the hyper-local market
- Developed Android app from ground up, working with iOS team to ensure apps worked together
- Made use of Material Design, Android SDK, Camera API, RESTful APIs, and WebSockets
- Pitched app and business to multiple investors resulting in a trial with Verizon

### Sandia National Laboratories

Software Engineer, Intern

Summer 2014

- Created a tool used by all employees to detect unauthorized access of confidential data
- Developed four factor authentication algorithms and presented them at USENIX security conference

## Projects and Open Source

MacAssistant – Google Assistant for macOS

1200+ stars on GitHub

C.A.R.M – Chrome extension to chat with anyone on the same website

SDHacks Winner

## Activities

AIAA (Unmanned Aerial Systems) – Computer Vision

2015 - 2018

Computer Science Club – President and Co-founder

2013 - 2015

Robotics Club – VP & Lead Programmer

2013 - 2015

- 1<sup>st</sup> place in California, 22<sup>nd</sup> place in the world

## Awards

Filed Patent 0186,640

Filed Patent 29642492