## Contact

www.linkedin.com/in/jie-chen-048208101 (LinkedIn)

## Top Skills

Java
Android Development
Static Analysis

## Languages

English (Full Professional)
Chinese (Native or Bilingual)

## Honors-Awards

Full Scholarship
Full Scholorship
Full Scholorship
Full Scholorship

# Jie Chen

Software Engineer at Google
San Jose, California

## Experience

### Google
Software Engineer
April 2019 - Present
Mountain View

### Samsung Research America
Android Software Engineer
August 2016 - March 2019 (2 years 8 months)
Mountain View, CA

Aug. 2016 - Sept. 2017  Samsung Knox team

Develop Android application and framework for Samsung Knox

Samsung Knox - Knox 3.0

• Participate in development of Knox 3.0 framework

Samsung Knox - Secure Folder App

• Design and implement secure folder profile provisioning process
• Upgrade secure folder app to let it run on all versions of Knox framework
• Coding language: Java

Sept. 2017 - Present  Samsung Bixby SDK team

Develop static program analysis tool to analyze Android applications

Samsung Bixby - Android Static Analysis

• Develop analysis tool to retrieve window transition information from any Android application
• Implement major features for analysis tool, e.g. FragmentTransaction, RecyclerView and Navigation Drawer
• Integrate analysis tool with Bixby SDK platform
• Optimize analysis tool and reduce its running time up to 50%
• Coding language: Java

### International Technological University (ITU)
Research Assistant

September 2014 - June 2016 (1 year 10 months)
San Jose

I've been working on 2 projects in embedded research lab of ITU.

Project 1: Energy Management System Since Sept, 2014

Participate in design and implementation of a next-generation Internet of things (IoT)
platform

- Develop device authentication method
- Encrypted data transmission from front-end to back-end
- Two options for setting up device network: Zigbee and RS-485
- Firmware update through UART protocol or Over-the-air (OTA)
- Feedback control to end-devices

Skill used: C, Zigbee, UART, asymmetric encryption, embedded system design

Project 2: Optical Transformer Since May, 2015

- Implement the patent <Smart meter voltage and current sensing using optically coupled isolators> of my tutor Dr. Karl L. Wang, Patent number: 9000753
- Designing on-chip feedback control to increase the current sensing margin.

## Education

### Peking University

Master's Degree, Embedded System Design · (2013 - 2016)

### International Technological University

Master's Degree, Electrical and Electronics Engineering · (2016)

### Zhejiang University

Bachelor's Degree, Electrical and Electronics Engineering · (2008 - 2012)