

# SoMi Choi

## CURRENT ADDRESS

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## EDUCATION

### Georgia Institute of Technology

*Master of Science in Computer Science*

Dec 2017

Cumulative GPA: 3.8/4.0

### Purdue University

*Bachelor of Science in Computer Science*

May 2016

Cumulative GPA: 3.7/4.0

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## SKILLS

- Languages: Java, Python, Scala, Javascript and C/C++
- Databases: MySQL and Oracle sql
- Big Data Frameworks: Apache Spark, Kafka, Redshift and Hadoop
- Amazon Products: AmazonEC2, S3, and Lambda
- Web Frameworks: Spring, Flask, DropWizard | Client Development: React.js and Vue.js

## EXPERIENCE

### ShinhanAI: Seoul, Software Engineer

Oct 2020 – Current

- Worked in ICT Team
- Operated Market Warning System which predicts S&P500 and KOSPI and sends warning to customers when it catches signal from various economic indicators using supervised learning
- Improved data pipeline applying Apache Spark Services and operated Big Data Platform

### Korea Advanced Institute of Science and Technology: Seoul, Researcher

July 2020 – Current

- Worked in BGP Anomaly Detection project which visualizes suspicious bgp data in the geo map
- Worked in DEGAS: Deep Edge-Aware Interactive Colorization against Color Bleeding Effects (Under Review) <https://eungyeupkim.github.io/DEGAS/> & [https://youtu.be/iFQxQuL\\_x9M](https://youtu.be/iFQxQuL_x9M)

### Okestro: Seoul, Senior Researcher (Team Leader)

March 2020 – July 2020

- Led the Big Data team in building the AIOps system which uses big data and machine learning to enhance IT operations

### Twilio: San Francisco, Software Engineer II

Feb 2018 – May 2019

- Worked in Fraud Services Team
- Worked on software solutions that include architectural artifacts such as distributed caching layer and server-side MVC frameworks, and machine learning systems to prevent fraud
- Used Apache Spark, Kafka, and Redshift

### Graduate Teaching Assistant at Georgia Institute of Technology

Spring 2017 – Fall 2017

- Instructed students on software development including Android and backend Web development

### Twilio: San Francisco, Software Engineer Intern

Summer 2017

- Implemented data visualization application for Software Defined Network which shows global net connectivity of endpoints and status of endpoints using React.js
- Developed Twilio app that tells children's parent sending sms when any banned program such as game is played on the desktop using python

### Fasoo: South Korea, Software Engineer Intern

Summer 2016

- Implemented data generator using Java that was used to test Fasoo RiskView product

### Image processing Application

Spring 2015 – Spring 2016

Undergraduate Research Assistant with professor Euiwon Bae at Purdue University

- Publication: Third author of *Colorimetric analysis of saliva-alcohol test strips by smartphone-based instruments using machine-learning algorithms*