SoMi Choi

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CURRENT ADDRESS
34, Ewhayeodae 1-gil,
Seodaemun-gu,
Seoul, Korea 03766

EDUCATION

Georgia Institute of Technology   Dec 2017
Master of Science in Computer Science   Cumulative GPA: 3.8/4.0
Purdue University   May 2016
Bachelor of Science in Computer Science   Cumulative GPA: 3.7/4.0

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 caches 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
- Publication: Fourth author of *Deep Edge-Aware Interactive Colorization against Color Bleeding Effects* ICCV Oral Accept. https://eungyeupkim.github.io/edge-enhancing-colorization/
- Worked in BGP Anomaly Detection project which visualizes suspicious BGP data in the geo map

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 tattletales 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*