SoMi Choi

CURRENT ADDRESS
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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, Scala, Python, 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 Android

EXPERIENCE

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*

HSP-GIST: Hadoop Space Partitioning – General Index Space Tree Fall 2015

Undergraduate Research Assistant with professor Walid Aref at Purdue University

- Improved interface to incorporate space partitioning trees such as Quadtree in Hadoop

Tornado: A Distributed Spatial-Textual Stream Processing System supported by NSF Summer 2015

Undergraduate Research Assistant with professor Walid Aref at Purdue University

- Integrated Apache Storm Sentiment Bolt package which gives sentiment score from tweets

PROJECTS

GT Mobism - Improved simulator that shows large numbers of mobile agents moving in road network
Parallel Refine - Improved Open Refine (Google Refine) integrating Hadoop distributed system
Smart Up - Prediction model developed based on Yelp data and recommend the best place to start a business