

SoYoung Park

<http://soyoungpark.github.io>

EDUCATION

UNIVERSITY OF PENNSYLVANIA
B.A. IN COMPUTER SCIENCE
Philadelphia, PA

SKILLS

- Scala
- Python
- Java
- NodeJS
- Presto
- Postgres
- MySQL
- Apache Kafka
- RabbitMQ
- Apache ZooKeeper
- Apache Aurora

LINKS

Github:// [soyoungpark](#)
LinkedIn:// [soyoungpark05](#)
Twitter:// [@soyoung_park](#)

EXPERIENCE

TWITTER | SOFTWARE ENGINEER
2019 – current | San Francisco, CA

- Proposed, designed and re-architected an internal Scala service into three microservices to increase engineering productivity and increase traffic throughput.
- Led a cross-team project (spanning design, product, policy actioning, and ML) that use Scala and Kafka to automate actioning on potentially abusive / misinformed Tweets, thereby scaling and significantly cutting down on the cost of Twitter's Health Platform.
- Designed and built a Scala system that replaced hard-coded entities with generic, reusable components, reducing the engineering time of onboarding a new entity from 12 to 2 weeks.
- Worked as privacy and data protection team lead, teaching best practices for storing and analyzing data while protecting privacy.
- Mentored interns, new hires and junior engineers.

HIVE | SOFTWARE ENGINEER
2017 - 2019 | San Francisco, CA

- Built and Dockerized facial recognition Python pipeline that embeds face images to vectors using Caffe & Tensorflow, based on 2015 FaceNet paper
- Built and deployed (pm2 + Marathon) Node ETL pipeline to record, encode and classify (action type) media streams from UDP sources
- Built RESTful APIs with NodeJS, Postgres, and Advanced Messaging Queuing Protocol (RabbitMQ)
- Built unit and system testing suites with Mocha & Chai
- Refactored legacy codebase, migrated database tables with 0 downtime

EPICERIE (ACQUIRED) | CO-FOUNDER & FULL STACK ENGINEER
2015 - 2016 | Seoul, South Korea

- Co-founded an on-demand grocery delivery startup (www.epicerie.kr), acquired by Inmost Partners in Jul 2017.
- Built PHP backend with MVC (Codeigniter) framework and MySQL database hosted by AWS. Built public and private APIs.
- Increased user retention from 60% to 88% by implementing multiple features including automated reminder email system (retention tracked through Mixpanel and Google Analytics plugin)
- Built and deployed web and mobile-accessible application using HTML, CSS, JavaScript, and PHP template engine (Smarty)

PERSONAL PROJECTS

TENSORFLOW TRAFFIC CONGESTION CLASSIFIER

- Built a traffic congestion level classifier using Tensorflow, using 10,000+ custom-scraped images of 5th Avenue, NYC
- Achieved 85% accuracy in classifying traffic level of given image