EEKSEUNG IKE LEE

B. A. SC. COMPUTER ENGINEERING 2021

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Skills

Languages
- Java
- Python
- Scala
- C++
- Javascript

Tools and Frameworks
- Docker
- Git
- GraphQL
- Tensorflow
- Android
- Postgres
- MongoDB
- Mockito

Interests
- Entrepreneurship
- Deep learning
- Digital music
- Starcraft botmaking
- Bleeding edge technology

About Me

HI, I'm an undergraduate student with a passion for new technology, startups with world-changing ideas, and digital music production.

WORK EXPERIENCE

Software Developer

Toast Inc   Boston, MA

April 2018 - September 2018

- Optimized the workflow where outdated data was being overwritten; refactored and **modified the data model** to ensure data integrity
- **Restructured** the data versioning workflow to ensure that all devices and backend services are referring to the same version of production data
- Implemented a **prototype GraphQL service** for the REST API that processes orders, which will reduce payload size exponentially

Full Stack Developer

Hootsuite Media   Vancouver, BC

September 2017 - January 2018

- Designed a **Scala microservice** which utilizes GraphQL to retrieve **millions** of Facebook private messages sent to multiple enterprise customers
- Created a **REST endpoint** to fetch Facebook messages by an array of ids from **MongoDB;** used in the front end for **cache validation**
- Created a **default landing page** for Hootsuite's new feature using **React**
- Integrated **external API** for customer satisfaction surveys in Hootsuite's PHP dashboard using PHP, MySql and Guzzle

Audio Engineer/Software Developer

Rave   Kitchener, ON

January 2017 - April 2017

- Designed a Python script that analyzes and mixes two songs together
- Rewrote BeatDetection function to use neural network based chroma vectors analysis and **reduced runtime by 40%**
- Designed and implemented an algorithm to find key of the song using artificial neural net and **chroma analysis**
- Implemented an **equalizer** that adds musical dynamics to the mashups

PROJECTS

Lunchdate   Python, Django, Postgres, Heroku, Docker

- Designed a **web application** dedicated to helping a big group get to know each other
- Matches up participants based on **bipartite matching algorithm** that favours more different pairs, and sends matches on a "lunch date"
- Developing a microservice dedicated to sending each matches a promotional code for a local restaurant based on their locations
- Fully **dockerized** the project and **deployed prototype on Heroku**, working on productionizing the web application on **Google Cloud with Kubernetes**