

Seikun Kambashi

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Technical Skills

RECENT:

- **Languages:** Python, Scala
- **Frameworks:** Spark
- **Tools:** AWS, Bash, Git

ALSO WORKED WITH:

- **Database:** MongoDB, MySQL
- **Languages:** C, C++, Java, JavaScript
- **Frameworks:** D3.js, Django, Node.js

Work Experience

DATA SCIENCE INTERN, PLACEIQ | MANHATTAN, NY

JANUARY 2015 - MAY 2015

- Assessed new datasets by aggregating and evaluating distributions of data points on specific features
- Extracted and transformed data used in analysis and modelling pipelines
- Processed terabytes of data using Spark and MapReduce on Amazon EMR clusters for various client campaigns
- Wrote automated data processing jobs used in production for processing billions of mobile requests and logs

SOFTWARE ENGINEER INTERN, HANSA LANGUAGE CENTRE | TORONTO, ON

APRIL 2014 - AUGUST 2014

- Designed and implemented schematic changes and data migrations to MySQL database through Django, improving data consistency and removing redundancy
- Developed automatically generated reports (using ReportLab, Platypus and NVD3), which improved consistency and saved 50+ hours of labour each week
- Implemented a RESTful API using the Django-Tastypie library to transfer data to the client
- Implemented online payment structure which made international transfers possible without costly transfer fees

Personal Projects

STREETSAVVY, WEB

- A routing app for finding the safest routes from one point to another within New York City
- Built using CartoDB and OpenStreetMap data joined with historical crime data
- Won *visualization award* at Data Hackathon jointly organized by Cornell University and Columbia University

TWIT2GIF, WEB

- Matches tweets to movie subtitles by sentence structure, and serves corresponding captioned gif
- Uses IBM Watson's Relationship Extraction API to analyze and index thousands of subtitles, and ffmpeg to render the gif
- Won the *funniest hack award* at HackCooper held at The Cooper Union school

UWALLET, ANDROID

- Displays Waterloo student card (WatCard) information such as balance and transaction history
- Worked on interactivity between fragments and securely storing user information
- Won *2nd place* at EngHack sponsored by University of Waterloo's Engineering Society

Extracurriculars

CLUB PRESIDENT, SINCLAIR COMPUTER SCIENCE CLUB | WHITBY, ON

2012 - 2013

- Created and managed computer science club
- Organized introductory Python lessons, programming competitions and club meetings for students

Education

CANDIDATE FOR BACHELOR OF SOFTWARE ENGINEERING, UNIVERSITY OF WATERLOO | WATERLOO, ON

2013 - 2018

Interests: machine learning, data science, wearable technology, soccer, bouldering, guitar, hackathons