Seikun Kambashi

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Technical Skills

RECENT:

- **Languages**: Python, C++, C#
- **Frameworks:** Spark, .NET MVC
- **Tools:** AWS, Bash, Git

ALSO WORKED WITH:

- **Database**: MongoDB, MySQL
- **Languages**: C, Java, Scala
- **Frameworks**: Hadoop, Django, d3.js, node.js

Work Experience

SOFTWARE ENGINEERING INTERN, MICROSOFT | TOKYO   SEPTEMBER - DECEMBER 2015

- Planned and designed account linking feature for Docs.com allowing Facebook users to link to a Microsoft account
- Implemented front-end and back-end using .NET MVC framework for a complete account linking user experience
- Participated in code reviews and wrote unit tests for feature

DATA SCIENCE INTERN, PLACEIQ | NEW YORK   JANUARY - MAY 2015

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

SOFTWARE ENGINEERING INTERN, HANSA LANGUAGE CENTRE | TORONTO   APRIL - AUGUST 2014

- Designed database schematic changes and implemented data migrations, improving data consistency and removing redundancy
- Developed automatically generated reports and visualizations using ReportLab and NVD3, saving 50+ hours of labour each week
- Implemented a REST API using Django-Tastypie in the backend for client-side applications
- Implemented online payment structure which made international transfers possible without costly transfer fees

Personal Projects

SUSHI NINJA, GAME

- Multiplayer game where players compete to collect the most sushi
- Made using the love2d framework
- Won the *most completed and polished game award* at the Spring 2015 GI Game Jam

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
- Used IBM Watson's Relationship Extraction API to analyze and index movie subtitles, and ffmpeg to render the gif
- Won the *funniest hack award* at HackCooper held at The Cooper Union school

Education

CANDIDATE FOR BACHELOR OF SOFTWARE ENGINEERING, UNIVERSITY OF WATERLOO | WATERLOO, ON   2013 - 2018

Interests: data science, video games, machine learning, wearable tech, rock climbing, guitar