Seikun Kambashi

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Technical Skills

RECENT:
- **Languages**: C#, C++, Python, Lua
- **Frameworks:** .NET MVC, Love2D
- **Tools:** Visual Studio, AWS, Bash, Git

ALSO WORKED WITH:
- **Languages**: C, Java, Javascript, Scala
- **Frameworks**: Spark, Hadoop, Django, d3.js, node.js
- **Database**: MongoDB, MySQL

Work Experience

MICROSOFT | SOFTWARE ENGINEERING INTERN   TOKYO | SEPTEMBER - DECEMBER 2015
- Planned and designed account linking feature for Docs.com users, allowing them to link to a Microsoft account and access new services
- Implemented front-end and back-end using .NET and worked with project managers for a complete account linking user experience
- Participated in various code reviews and worked on unit tests and bug fixes to improve code quality

PLACEIQ | DATA SCIENCE INTERN   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

HANSA LANGUAGE CENTRE | SOFTWARE ENGINEERING INTERN   TORONTO | APRIL - AUGUST 2014
- Designed database schematic changes and implemented data migrations, improving data consistency and removing redundancy
- Implemented a REST API using Django-Tastypie in the backend for client-side applications
- Developed generated reports and visualizations using ReportLab and NVD3, saving 50+ hours of labour each week

Recent Projects

SUSHI NINJA | GAME
- Multiplayer game where players compete to collect the most sushi
- Made using the Love2D framework and its various game related libraries
- 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 in conjunction with NYC 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

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

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