

Rock Liang

Contact

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Links

Linkedin://RockLiang
Github://Riotpiaole

Programing Languages

♥ Python • JavaScript
Java • Ruby • Go
R • MatLab • C++
HTML& CSS

Machine Learning

TensorFlow
scikit-Learn

Web development frameworks

NodeJs • ReactJs
ReactNative
Ruby On Rails
Flask • Django

Database

SQL • PostgreSQL
pgAdmin IV • SSH

Deployment Tools

Google Cloud Platform
Amazon Web Services

Operating System

Mac • Windows • Linux

Education

2015 - present **BSc: Honors Computer Science with Data Science Option**
Expected Grad. 2019

University of Ottawa

Experience

2015–2017 **Wooko Inc. | Full Stack Web Developer** Ottawa, Canada
Wooko is a mobile app designed by students who understand what it means to enhance your academic experience.

- Implemented the front end design for their web and mobile application.
- Enabled communication between a database and Wooko API Server.
- Implemented online file storage, online chat and tutoring service feature.

Projects

Fall 2017 **Secure Facial Recognition | Machine Learning Developer** Ottawa, Canada
An Android application that combines face recognition algorithms with encryption.

- Converted the face templates to a trainable format for classification.
- Implemented an SVM classifier in Java to do the face recognition.

Nov 2017 **Gametal | Back End Developer** Ottawa, Canada
Android Application platform for renting games.

- Set up the server using Google App Engine.
- Created database schema and implemented all the queries.
- Designed the architecture of the app with team members.

Oct 2017 **HootMentor | Machine Learning Developer** Ottawa, Canada
A machine learning Chatbot that recommends jobs which will not be automated in the future.

- Applied deep reinforcement learning to model future reward in chatbot dialogue.
- Integrated the chatbot into the server.
- Implemented integration test for the chatbot.

2016–2017 **HoppJS | Back End Developer** Ottawa, Canada
Open source rapid build system for JavaScript applications.

- Implemented file concatenation feature.
- Wrote test case and test scripts for query system.

Awards

Oct 2017 **Winning project | HootMentor** Hacking The Future of Work
Presented at a formal meeting of The Trilateral Commission

Nov 2017 **Overall Winner | Gametal** StartupWeekend Carleton
Won Hatch office space

Interests & Hobbies

Gaming: Dota 2, Binding of Issac, League of Legends, Clash of Clans, Shadow of Mordor.

Interest: Gym, Running, stand up comedy, reading, eat good food.