Ruiyang Wang

Looking for Full-time job for May 2019, and/or Internship for Summer 2018 outside U.S.

504 Fern Ridge Ct, Sunnyvale, CA 94087

LinkedIn: https://www.linkedin.com/in/ruiyang-wang/

rywang014@gmail.com   Github: Xplorld   Mobile : +1-669-215-9946

EDUCATION

- **Carnegie Mellon University**   Mountain View, CA
  Master of Science in Software Engineering   *Anticipated May 2018*

- **Shanghai Jiao Tong University**   Shanghai, China
  Bachelor of Science in Computer Science; GPA: 3.4   *June 2017*

PROGRAMMING SKILLS

- **Languages**: C, C++, Python, C#, Objective-C, Swift, Java, JavaScript, LATEX
- **Technologies**:
  - **C++**: RAII, Template Metaprogramming, move semantics
  - **Full Stack Programming**: Flask, Node.JS, ASP.NET, Bootstrap
  - **iOS development**: Swift, Objective-C, UIKit, Auto layout, iOS SDK
  - **Cloud Computing**: AWS, GCP, Azure, Auto Scaling, load balancing
  - **Storage/Database**: High Availability, MySQL, SQLite, PostgreSQL, MongoDB, HBase, HDFS

EXPERIENCE

- **YITUTech, Infrastructure Team**
  Software Development Engineer Intern   *Sep 2017 - Dec 2017*
  - **Machine Learning Storage Middleware**: Designed and Implemented High-performance, Distributed Key-Value database to accelerate Machine Learning workflow **3x**.
  - **C++, Medical Imaging Data Service**: Designed and Implemented medicine imaging database service conforming to DICOM standard, with high speed and availability

- **Microsoft, Azure China Marketplace Team**
  Software Development Engineer Intern   *June 2016 - Sep 2016*
  - **Azure Cloud Computing**: Developed **Azure China Marketplace** that deploys images on the Azure Cloud
  - **Full Stack, C#, dot-NET**: Build extensible & flexible web applications in **Agile** and **Test-Driven** development
  - **Webhook-based Automation**: Utilized Github to drive a fully automated documentation system

- **TouchPal, iOS keyboard Team**
  Software Development Engineer Intern   *June 2016 - Sep 2016*
  - **iOS UIKit**: Lead refactoring of UI-side layout system using AutoLayout.
  - **C++ Optimization**: Optimized C++ text processing engine yielding **40%** speedup
  - **C++ code sanitization**: Profiled and removed memory leaks

PROJECTS

- **Twitter Big Data Analysis**:
  - **Scalable web service**: Constructed **Terabybte**-level Tweet **big data** analytics web service **on Cloud**.
  - **Cloud Computing**: Utilized AWS EC2, elastic load balancing and auto scaling for system performance.
  - **Big data analysis**: Used MapReduce jobs to cleanse and analyze Twitter data.

- **Scheme Interpreter**: Built in Python featuring **tail call optimization**, **call/cc** and **pattern matching**.
- **Campus Activity App**: Built Official iOS App in University for on-campus activity registration and discussion.
- **Stack machine in Compile-time C++14**: Compiled Turing-complete language by Template metaprogramming.
- **Neural Language Model**: Used LSTM and heuristics models, achieved better BLEU score than baseline.