Ruiyang Wang

Looking for Full-time job for May 2019

1075 Space Park Way SPC 118, Mountain View, CA 94043

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; GPA: 3.78 — *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
- **Contributions**:
  - **aws/chalice**: Add "reserved concurrency" configuration for each AWS Lambda function.
  - **aws/aws-xray-sdk-python**: Add PyMongo support to the AWS XRay Python SDK.

EXPERIENCE

- **Clarity.io, Software Team**
  Software Development Engineer Intern — *May 2018 - Aug 2018*
  - **Automated Documentation Deployment**: Designed automated workflow that generates, uploads and publishes document on certain git events via CI. Ensured synchronization between documents and code.
  - **AWS X-Ray Integration**: Integrated AWS X-Ray that traces requests and performances of microservices on AWS Lambda and ElasticBeanstalk with vendored diagnostic data.
  - **Kubernetes-based Microservice Orchestration**: Orchestrates microservices for fast, dockerized testing and deploying. Speedup integration testing **2x**.

- **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

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.