Cheng Wang

Software Engineer at Google

Summary

A full stack developer with a solid foundation. Love to write code, especially elegant code.

Experience

Software Engineer at Google
December 2016 - Present

Graduate Teaching Assistant at Carnegie Mellon University
August 2016 - December 2016 (5 months)
  • Teaching Assistant for course Cloud Computing (15-619), offered by the School of Computer Science;

Software Engineer Internship at LinkedIn (##)
May 2016 - August 2016 (4 months)
  Data analytic and infrastructure, Search team.

Graduate Teaching Assistant at Carnegie Mellon University
January 2016 - May 2016 (5 months)
  • Teaching Assistant for course Cloud Computing (15-619), offered by the School of Computer Science;
  • Design and implement the team project for student using AWS and MapReduce; Test the system under both MySQL and HBase.

Graduate Assistant at CMU Silicon Valley
September 2015 - November 2015 (3 months)
  Front-end and Python Developer of Online-VisTrail;
  • Translate JSON to XML using Python in order to coordinate message passing between front-end and back-end
  https://github.com/wcyz666/Online-VisTrails

Android Developer Internship
September 2014 - December 2014 (4 months)
  • Developed an Android shopping App; Wrote a new method (starting the activities in activity adapters) to achieve dynamic runtime update of Android Apps; Applied this method on the commercial shopping App to let users update this App without re-installing the APK package
  • Developed a module which can capture the signature from user (using Canvas) and then upload it to the server; The authentication procedure between client and server, and the generation of the session key are using RSA algorithm and MD5 digest, while transmission of the pictures is using AES algorithm.

• Developed corresponding back-end API using Spring MVC framework.

Undergraduate Research Assistant at The Chinese University of Hong Kong
April 2014 - September 2014 (6 months)

Summer Research on Programmable Intelligence for Cross-Platform Socialization

• Worked on Programmable Intelligence for Cross-platform Socialization;
• Improved a software called SNSRouter to automatically grab the messages from SNS websites using Python; applied machine learning algorithm to rank the messages using the preference pairs input by users such that their preferred messages may rank higher on the top of the timeline;
• Built user interface and added multi-user access support using many open source frameworks: Bottle, Cherrypy, Bootstrap, jQuery, etc.; updated and extended the functionality from 6 original platforms to 9 platforms;

Technical Support
May 2013 - April 2014 (1 year)

Member of the 11th Executive Committee of Mainland Undergraduate Association;
• Solved IT-related problems and provided information such as course evaluation database and newsletters of the extracurricular activities for over 1000 mainland students;
• Built the official website using WordPress within one month and maintained it in one year;
• Coordinated activities like M-Singing Competition and CUHK 2014 Chinese Cultural Festival.

Education

Carnegie Mellon University, Silicon Valley
Master's Degree, Computer Software Engineering, 2015 - 2016
The Chinese University of Hong Kong
Bachelor's Degree, Information Technology, 2011 - 2015
Activities and Societies: CUHK Mainland Undergraduate Association Executive Commission; CUHK Open Innovation Lab

Honors and Awards

Dean's List, College Head's List, Department Scholarship, Hong Kong SAR Government Scholarship, Champion of Library Mobile Apps Competition, Summer Research Internship Scholarship, Cheng Foundation Scholarship, Dean's List, Reaching Out Award, Bronze Award for Volunteer Service, College Head's List, Shaw College Caring Heart Community Service -- Best Mainland Project

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Linked **in**.

Contact Cheng on LinkedIn