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EDUCATION

University of California, Los Angeles

M.S. in Computer Science

Sep. 2015 - Jan. 2017

Los Angeles, US

- GPA: 3.97/4.0
- Courses: Database, Algorithm, Web Applications, Software Engineering, Prototyping Programming Language

Fudan University

B.S. in Computer Science

Sep. 2011 - Jun. 2015

Shanghai, China

- GPA: 3.61/4.0 Rank: 1/20
- National Scholarship (Highest national award for TOP 1% undergraduates.)
- Courses: Data Structure, Operating System, Compiler, Computer Theory and System, Data Communication and Computer Network, Network Programming, Network Attacks and Countermeasures, Cryptography

SKILLS

Languages: Java, Scala, C++, Javascript, Shell, C, C#, Matlab, SQL, PHP, HTML, CSS

Technologies: AWS(SQS, Kinesis, Lambda, DynamoDB), Akka, AngularJS

WORK EXPERIENCE

AWS IoT, Amazon

SDE

Mar. 2017 - Now

Seattle, US

- Collaborated with the team to design and implement a robust solution for retrying action failures. Designed the data model for the retry message and implemented the encoder and decoder for the message. (Scala)
- Created canaries to monitor the realtime IoT integration with downstream AWS services. (Java)
- Implemented IoT SQL functions to support broader use cases of IoT. (Scala)

AWS Marketplace, Amazon

SDE Intern

Jun. 2016 - Sep. 2016

Seattle, US

- Created automating test script to do page-loading latency evaluation for amazon fulfillment website. (Java, Shell)
- Developed a client-side error logging tool by designing error types and the logging mechanism. (Javascript)
- Generated alarms and graphs to monitor the errors on client side.

RESEARCH EXPERIENCE

Institution of Intelligent Image and Signal Processing, Fudan University

Research Assistant

Sep. 2013 - Jun. 2015

Shanghai, China

- Trained a RBF neural network with 31 image features for portrait aesthetics evaluation. Won Outstanding Undergraduate Graduation Thesis in Fudan University.
- Collaborated with team members to develop a seam carving-based composition enhancement method to change the relative position of an object.

PROJECT EXPERIENCE

Online Shopping Website

Mar. 2016 - May. 2016

- Worked in a team to build an online shopping website for Connexity Company. <https://github.com/emilie1027/Connexity>
- Built the user interface and added animation effects for the web pages. (HTML, Javascript)
- Obtained the product data by designing the logic between model, view and controller in SpringMVC. (Java)

Information Query System

Oct. 2015 - Dec. 2015

- Designed and accomplished a query system of a movie theatre.(PHP, HTML, SQL)
- Built a B+ tree to improve the query performance.(C++)

Online Chatroom

Sep. 2014- Nov. 2014

- Built an online chatroom based on tcp protocol through socket programming.(C#)
- Used three-way handshake to establish the connection between the server and the client.