ALISA HE

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EDUCATION

University of Southern California — Los Angeles, CA
M.S. in Computer Science, GPA **4.0**/4.0 — Aug 2017 - May 2019
Relevant Courses: Java Programming and System Design, Web Technologies, Computer Networks, Analysis of Algorithms, Database Systems

University of Liverpool — Liverpool, UK
B.Eng. in Electrical and Electronic Engineering, GPA **82**/100 (Top **1%**) — Sept 2013 - June 2017
Relevant Courses: C++ Programming & Software Engineering, Image Processing, Embedded Computer System, Theory of Probability and Mathematical Statistics, Operating System Concept, Neural Networks

SKILLS

Language	Python, PHP, Java, C++, Linux Shell, JavaScript, SQL
Tool Frameworks	AWS EC2, Lambda, RDS, MySQL, MongoDB, Git, AngularJS, Node.js, jQuery

EXPERIENCES

ZBJ.COM, Chongqing, China [Javascript, PHP] — June 2017 - Aug 2017
Software Development Intern

· Designed Responsive Web UI of the main page using jQuery.
· Built APIs for fetching the Ads with MAMP using PHP and SQL.
· Deployed code using AWS Lambda, API Gateway and RDS to actualize serverless backend.

PROJECTS

Stock Search Android App [Java, Android] — Nov 2017 - Dec 2017

· Obtained the real-time stock information and generated scrollable pages via Markit on Demand API.
· Used Facebook Android SDK to login and share histograms on Facebook.
· Completed auto-refresh and auto-complete using Google Volley and Timer module.

Responsive Stock Trading Web Application [AngularJS, Node.js] — Oct 2017 - Nov 2017

· Built the frontend UI using Bootstrap and AngularJS that enable user to search and view the stock information.
· Developed 3 tabs to show the current stock, historical chart and news feeds retrieved via Alpha Vantage.
· Implemented responsive layout to automatically adjust according to the users smartphone.
· Deployed the Node.js backend server on Amazon Elastic Beanstalk to ensure the scalability.

CYTON-VETA 7 DOF Robot Sensing Touch [Python, C++] — Sept 2016 - May 2017

· Implemented multi-threading in Python to receive the feedback from a 7 DOF Robotic Arm and Haptic Device.
· Achieved the hand and arm control by remote haptic device that applied with pressure sensor using C++.
· Performed emulation on TCP/UDP Network Impairment through Virtual Reality Peripheral Network.
· Built a UI from Tkinter to show the hardware information.

EXTRACURRICULAR ACTIVITIES

Department Director, in Student Career Development Association, led team to contact HR of World's top 500 companies for campus career talk and advisory to provide internships for students. — Sept 2014 - June 2015

Volunteer, Buddy Program, Provided help for more than 100 international students . — Sept 2014 - June 2015