Xiangchong(Chris) Liu

(213)-509-3210 | xiangchong95@gmail.com | linkedin.com/in/chrisliu95

chrisliu95.com | Los Angeles, CA

SUMMARY

Data Science track master student at USC with experience in big data, cloud computing, front-end development and machine learning. Strong knowledge of Python, JavaScript, html/CSS, familiarity with AWS, Git, Agile Development & Scrum. Currently a full-stack engineer intern at Edmunds, working in ads team. Quick learner, Passionate about exploring new technologies. Interested in software development and related full-time opportunities.

EDUCATION

Master of Data Science, Viterbi Engineering School   08/2017 - 05/2019
University of Southern California, Los Angeles, CA (GPA: **3.56/4.00**)
Bachelor of Engineering in Telecommunications with Management, International School   09/2013 - 06/2017
Beijing University of Posts and Telecommunications, Beijing, China (**GPA: 3.70/4.00**)

PROFESSIONAL EXPERIENCE

Edmunds, Full-Stack Engineer Intern, Edmunds Ads team, Los Angeles, CA   05/2018 - present
This internship aims to develop and optimize ads performance of Edmunds.com to increase the number of users interested in purchasing vehicles.
- Improved the loading performance of ads on Edmunds core page by **40%**, by breaking up ads call and implementing lazy load.
- Designed and implemented new **AMP** version of ads template, which is **50%** faster than previous version on mobile.
- Participated in Edmunds Intern program as team leader, completed a ML project which helps making smart recommendation.

Institute of Microelectronics of Chinese Academy of Sciences, Research Assistant, Beijing, China   07/2016 - 05/2017
- Participated in the research on core technology of NDIR gas detection system.
- C Programming for controllable multiples magnification and noise reduction processing of the weak signal output by sensors.
- Built the SPI communications between gas sensor and ARM, and output the concentration of gas.

GWC (Great Wall Club), Data Analyst Intern, Beijing, China   04/2017 - 06/2017
- Analyze customers' information and finalize target customers, update data on both website and database.
- Organized the G-Startup Worldwide competition of Global Mobile Internet Conference (GMIC) in Beijing.

PROJECTS

Car Make Recognition   06/2018 - 08/2018
- Trained an image recognition model which can recognize car make with 90% accuracy based on TensorFlow.
- Designed an API and deployed model to apache server, also built a user-friendly UI.

Travel and Entertainment Search Engine   02/2018 - 03/2018
- Created a webpage and designed an android app which allows user to search for places information by using Google Places API, also provide map, reviews and photos.
- Node.js/PHP server-side scripting, HTML/CSS, JavaScript/AngularJS and Bootstrap included. (Deployed at AWS)

AWS Network Simulation   11/2017
- Socket programming by C (Python), Built the TCP/UDP connections between user, AWS server, and back-end server.

Sightseeing Vehicle Management System; *Team Leader*   03/2016 - 05/2016
- Responsible for project management, requirement and design analysis, implementation and testing.
- Assigned tasks, arranged weekly meetings, tracks of backlog work to be done, programming of Java project.

Intelligent Lamp; *Team Leader*   06/2015 - 10/2015
- Organized weekly team meeting, managed electronic components and wrote Arduino electric board program (C Language).
- Coordinated the welding of electronic components and appearance design, product instructions and advertising video production.

SKILLS

Programming Language	Python, JavaScript, HTML/CSS, Java, C, PHP, MySQL
Cloud Computing	AWS
Operating Systems	Mac OS, Linux, Windows
Others	Git, Agile Development & Scrum

PULICATIONS

Anjie Ming, **Xiangchong Liu**, et al. 2018. *Smart Sensor Systems: Emerging Technologies and Applications (Translation Edition).* Beijing, China: China Machine Press. 261pp.