D.C Metro Region
Potomac, MD

Kyle Y. Liu

Entrepreneur | Data Analyst | Software Engineer

kylefirst@gmail.com
kylefirst.github.io

TECHNICAL SKILLS

Certifications: Oracle Certified Professional, MySQL 5.6 Database Admin   Summer 2016
Languages: Java; C; C++; Matlab; MySQL; Python; Git
Operating Systems: Windows; OSX; Linux

ORACLE®
Certified Professional
MySQL 5.6 Database
Administrator

RELATED COURSES

Object Oriented Programming	Discrete Mathematics
Data Structures & Algorithms	Linear Algebra
Computer Systems	Multivariable Calculus

EMPLOYMENT

Dell Corporation   Software Engineer, Intern   Summer 2015
Wyse vWorkspace software virtualization division
Optimized C applications on the system level to prevent stack overflow and network security attacks
Taught other interns hashing techniques and data structures.

PERSONAL PROJECTS

Capital 2 Go   Python, Java, AWS, Aurdino   2017
Android app that uses NLP to convert voice input into a unique QR code to simplify cash withdrawal
Plane Crash WebGL Globe   Python, Java, JavaScript, HTML   2016
Modeled crash locations with high-fatality rates on an interactive 3D globe to identify patterns and hotspots
Fraudlytics   Python, Java, JavaScript, HTML   2016
Visualization tool used to predict transaction integrity and hotspots for credit card fraud
Activity Buddy   Java, MySQL   2015
P2P android messaging app for athletes that matches users based on availability, location, and skill level

ADDITIONAL SKILLS & AWARDS

Top Performer, Capital One Visualization Challenge   2016
First Prize, Lockheed Martin Code Quest   2016
Best Engineering Design, Mini Urban Challenge   2016
High Team Honors, American Regions Math League   2015
First Prize, John Hopkins Robotics Challenge   2013
Fluent in Chinese (Mandarin)

LEADERSHIP EXPERIENCE

President   Wootton Competitive Math Team   Fall 2015 – Spring 2016
Increased participation rate and managed competition and transportation logistics
Assistant Tennis Coach   Hope Chinese School   Fall 2013 – Spring 2016
Created new workout routines and led the class during warmup.
Resolved disagreements and maintain interest by organizing team building activities

EDUCATION

University of Maryland College Park   B.S. Computer Science   Aug 2016 – May 2020