

D.C Metro Region
Potomac, MD

Kyle Y. Liu

Entrepreneur | Data Analyst | Software Engineer

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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

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