D.C Metro Region

Potomac, MD

Kyle Y. Liu

Entrepreneur | Data Analyst | Product Manager

kylefirst@gmail.com

kyleliu.me

EDUCATION

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

Programs: University Honors; Hinman CEOs

TECHNICAL SKILLS

Certifications: Oracle Certified Professional, MySQL 5.6 Database Admin   Summer 2016

Languages: Java; C; C++; Python; Matlab; MySQL; Git

EMPLOYMENT

Next Century   Software Engineer, Intern   Summer 2017

Expanding functionality of Neon, a open-sourced data visualization framwork backed by Darpa (STC)

Symbiont Health   Co - founder   Spring 2017 - Present

Directing design and development of wearable fall detecting device and analysis platform for caregivers

Conducting customer interviews with proffesors, patients, and customers to improve end-user experience

Presenting Patent-Pending platform at the Do Good Challenge in April 2017

Startup Shell   Fellow   Spring 2017 - Present

Leverging data analysis and visualization tools to help startups market and optimize productivity

Teaching technical skills in weekly lightning tech talks in the student run incubator

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

RELATED COURSES

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