D.C Metro Region

Kyle Liu

kylefirst@gmail.com

Potomac, MD

kyleliu.me

Social Entrepreneur & Aspiring Product Manager

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/Technologies: Java; C; Python; Polymer; Node.js; Matlab; MySQL; ElasticSearch; Git

EMPLOYMENT

Next Century Software Engineering Intern Summer 2017
Built modular Polymer UI elements for the Darpa Memex deep-web data visualization and search tool
Added export functionality to decrease search time by 400% and increase search results from 25 to over 10,000
Refactored components into Polymer elements to create a single UI customizable for different domains
Symbiont Health Co - founder, CTO Spring 2017 - Present
Designing and developing a wearable fall detecting device and an online analysis platform for caregivers
Conducting customer interviews with professors, patients, and customers to improve end-user experience
Raised over $10,000 in funding from Do Good Challenge and Terp Startup Incubator
Startup Shell Fellow Spring 2017 - Present
Leveraging 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 Engineering Trainee Summer 2015
Optimized C applications on the system level to prevent stack overflow and network security attacks

PERSONAL PROJECTS

Capital 2 Go Python, Java, AWS, Arduino 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

1st Prize, UMD Fishbowl Pitch Competition 2017
2nd Prize & Audience Choice, Do Good Challenge 2017
2nd Prize, Intel IOT Health Hack, Bitcamp 2017
Top Performer, Capital One Visualization Challenge 2016
1st Prize, Lockheed Martin Code Quest 2016

RELATED COURSES

Object Oriented Programming Computer Systems
Data Structures & Algorithms Discrete Mathematics