

D.C Metro Region
Potomac, MD

Kyle Liu

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Social Entrepreneur & Aspiring Product Manager

EDUCATION

University of Maryland College Park	B.S. Computer Science	Aug 2016 – May 2020
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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
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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
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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
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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
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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
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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
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Modeled crash locations with high-fatality rates on an interactive 3D globe to identify patterns and hotspots

Fraudlytics	Python, Java, JavaScript, HTML	2016
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Visualization tool used to predict transaction integrity and hotspots for credit card fraud

Activity Buddy	Java, MySQL	2015
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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