

D.C Metro Region  
Potomac, MD

# Kyle Y. Liu

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kyleliu.me

Entrepreneur | Data Analyst | Product Manager

## EDUCATION

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<b>University of Maryland College Park</b>	B.S. Computer Science	Aug 2016 – May 2020
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**Programs:** University Honors; Hinman CEOs

## TECHNICAL SKILLS

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

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

## EMPLOYMENT

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<b>Next Century</b>	Software Engineer, Intern	Summer 2017
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Expanding functionality of Neon, an open-sourced data visualization framework backed by Darpa (STC)

<b>Symbiont Health</b>	Co - founder	Spring 2017 - Present
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Directing design and development of wearable fall detecting device and analysis platform for caregivers  
Conducting customer interviews with professors, patients, and customers to improve end-user experience  
Presenting Patent-Pending platform at the Do-Good Challenge in April 2017

<b>Startup Shell</b>	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

<b>Dell Corporation</b>	Software Engineer, Intern	Summer 2015
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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

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<b>Capital 2 Go</b>	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

<b>Plane Crash WebGL Globe</b>	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

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

<b>Activity Buddy</b>	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

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<b>Top Performer, Capital One Visualization Challenge</b>	2016
<b>First Prize, Lockheed Martin Code Quest</b>	2016
<b>Best Engineering Design, Mini Urban Challenge</b>	2016
<b>High Team Honors, American Regions Math League</b>	2015

## RELATED COURSES

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