

KYLE LIM

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Education

University of Maryland, College Park	August 2016 — May 2020
B.S. in Computer Science, Mathematics Minor, Honors	3.7 GPA

Industry Experience

Facebook	May 2019 — August 2019
<i>Software Engineering Intern</i>	<i>Menlo Park, CA</i>

- Architected a regression detection pipeline to progressively download and downscale AR textures
- Developed core infrastructure to efficiently deliver AR to Facebook, Messenger, and Instagram

Databricks	Jan 2019 — May 2019
<i>Software Engineering Intern</i>	<i>San Francisco, CA</i>

- Built a distributed workload simulator to test service deployments at high scales
- Designed and implemented a SSO workflow into external systems with JWT
- Deployed an edge API proxy to move authentication and routing to a highly available gateway service

Clinic AI	May 2018 — August 2018
<i>Software Engineering Intern</i>	<i>San Francisco, CA</i>

- Developed core features for the AI training web platform with Django, Node, Vue, and SQL
- Built a regression suite to support slot extraction and conversational transitions
- Designed backend models and API endpoints to serve as the foundation of the platform

Northrop Grumman	June 2017 — August 2017
<i>Software Engineering Intern</i>	<i>Annapolis Junction, MD</i>

- Developed core kernel features for minimal OS in C to increase OS resiliency
- Created randomized disruption tools for system resilience testing
- Implemented parallel compression algorithm, reducing testing time by over 50%

National Cancer Institute	June 2015 — June 2016
<i>Software Engineering Intern</i>	<i>Ft. Detrick, MD</i>

- Developed cell-specific signature generation tool for classification
- Used computer vision techniques to discover genotoxicity trends with cellular image datasets

Academia

CMSC330: Programming Languages	August 2018 — Present
<i>Teaching Assistant</i>	<i>College Park, MD</i>

- Taught students about the fundamentals of programming languages including Ruby, Ocaml, and Rust

Selected Projects

Vynchronize	Winter 2018 — Present
<i>GitHub Top Trending (700+ stars, 10,000+ unique users)</i>	

- Developed, designed, and maintained a real-time video synchronization platform
- Created a isolated room structure to ensure a seamless user experience and host event handling
- Utilized Node.js for the server, Socket.io for the functionality, and Travis CI for scalability

Optbnb	Fall 2017
<i>Winner of Capital One's Software Engineering Summit Challenge</i>	

- Developed a web app to visualize Airbnb listings in Node, Chart.JS, Express and web-sockets
- Utilized Pandas to develop data analyses and pricing optimizations

Technical Activities

Machine Learning at Maryland	April 2017 — Present
· Created and led workshops to teach how to utilize machine learning frameworks such as Tensorflow	

Capital One Software Engineering Summit	January 2018
· Invited to selective engineering summit at Capital One's tech lab to learn iOS/Android/ML/AWS	

Skills

Proficient Languages:	Python, JavaScript, Java, Scala, C, Shell
Familiar Languages:	Ruby, OCaml, Hack, PHP, C#, SQL, Rust
Technologies:	UNIX, Git, React, Vue, Node.js, Pandas, Jupyter, Django, Unity, Kubernetes