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

Experience

Clinc AI — May 2018 — Present
Software Engineering Intern — *San Francisco, CA*
· Developed core features for the AI training web platform with Node, Django, Vue, and SQL
· Developed "competencies" and conversation flows for the AI models
· Designed a clustering algorithm to perform similarity analysis based on linguistic context

Northrop Grumman — June 2017 — August 2017
Software Engineering Intern — *Annapolis Junction, MD*
· 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%

University of Maryland — February 2017 — May 2017
Research Assistant — *College Park, MD*
· Designed a web application to simulate the iOS and android application store
· Used JavaScript for the front end, SQL for the database, and Python with Flask for the back end
· Researched the correlation between a smartphone user's personality to their risk taking behaviors

National Cancer Institute — June 2015 — June 2016
Computational Research Fellow — *Ft. Detrick, MD*
· Developed cell-specific signature generation tool for classification
· Used computer vision techniques to discover genotoxicity trends with cellular image datasets
· Utilized and trained deep learning algorithms to eliminate human error in classification

Selected Projects

Vynchronize — Winter 2017 — Present
GitHub Top Trending (600+ stars, 10,000+ unique users)
· Developed, designed, and maintained an real-time video synchronization platform
· Utilized Node.js for the server, Socket.io for the functionality, and Travis CI for scalability

Social Spend — Winter 2017
· iOS application that integrates real time augmented reality into a financial social media platform
· Utilized Swift with ARKit for the app, Node/Express for the backend, and Firebase for the database

Optbnb — Fall 2017
Winner of Capital One's Software Engineering Summit Challenge
· 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

Sudo Productivity — Summer 2017
· Developed a Linux based productivity suite (100+ stars, 1,000+ unique users)
· Comprised of Shell, Python, and Ruby scripts to simulate a hollywood-esque effect

Technical Activities

National Cyber League — August 2016 — Present
· Utilized Kali Linux, Wireshark, Metasploit, Nmap, JTR to compete in CTFs

Machine Learning at Maryland — April 2017 — Present
· Workshops to learn 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, Java, JavaScript, C, Shell
Familiar Languages:	Ruby, Ocaml, C#, Ocaml, SQL, Rust
Technologies:	UNIX, Git, Docker, Node.js, Pandas, Jupyter, Flask, Django, Unity, TeX