

KYLE LIM

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Education

University of Maryland, College Park

B.S. in Computer Science, Mathematics Minor, Honors

August 2016 — May 2020

3.7 GPA

Experience

Clinic AI

Software Engineering Intern

May 2018 — Present

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

Software Engineering Intern

June 2017 — August 2017

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

Research Assistant

February 2017 — May 2017

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

Computational Research Fellow

June 2015 — June 2016

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

GitHub Top Trending (700+ stars, 10,000+ unique users)

Winter 2017 — Present

- 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

- 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

Winter 2017

Optbnb

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

Fall 2017

Sudo Productivity

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

Summer 2017

Technical Activities

National Cyber League

- Utilized Kali Linux, Wireshark, Metasploit, Nmap, JTR to compete in CTFs

August 2016 — Present

Machine Learning at Maryland

- Workshops to learn how to utilize machine learning frameworks such as Tensorflow

April 2017 — Present

Capital One Software Engineering Summit

- Invited to selective engineering summit at Capital One's tech lab to learn iOS/Android/ML/AWS

January 2018

Skills

Proficient Languages: Python, Java, JavaScript, C, Shell

Familiar Languages: Ruby, OCaml, C#, SQL, Rust

Technologies: UNIX, Git, Docker, Node.js, Pandas, Jupyter, Flask, Django, Unity, TeX