

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

Clinic AI May 2018 — August 2018
Software Engineering Intern San Francisco, CA

- 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
- Created 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%

National Cancer Institute June 2015 — June 2016
Software Engineering Intern 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

Academia

CMSC330: Programming Languages August 2018 — Present
Teaching Assistant College Park, MD

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

University of Maryland February 2017 — May 2017
Research Assistant College Park, MD

- Developed an iOS application store utilizing Python with Flask, Javascript, and SQL
- Researched the correlation between a smartphone user's personality to their risk taking behaviors

Selected Projects

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

- 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
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

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, C, Shell
Familiar Languages: Ruby, OCaml, C#, SQL, Rust
Technologies: UNIX, Git, Docker, Node.js, Pandas, Jupyter, Flask, Django, Vue, Unity, TeX