

EDUCATION

- **William & Mary** Williamsburg, VA
Bachelor of Science in Computer Science Aug. 2020 - June 2024
- **Relevant Courses:** Software Engineering, Software Development, Algorithms and Data Structures, Computer Organization, Programming Languages, Systems Programming, Advanced Linear Algebra
- **Other Courses:** Nand2Tetris, DeepLearning.AI's DL Specialization, Stanford Machine Learning

EXPERIENCE

- **ClearBlade** Austin, Texas
IoT Management. Appointed by Google to replace their IoT core.
MLOps Intern Dec 2021 - Aug 2022
 - Built an one-stop **ML management platform** for users to upload, retrain, and setup inferencing pipelines within ClearBlade's IoT management platform; ClearBlade's largest client monitors their oil drills with this platform. Technologies: React, Typescript, Golang, Docker.*Frontend Intern* May 2021 - Dec 2021
 - Implemented an image history tab for users to upload and view images; Revamped map component to better display IoT asset information. Technologies: React, Typescript.
- **Roadefend** Shanghai, China
Autonomous Driving
Backend Intern June 2019 - August 2019
 - Wrote tests for ML data pipeline and fixed bugs in image labeller.

PROJECTS

- **Focal:** A developer productivity VSCode plugin. Run Focal to blur out code unused by the highlighted lines in your Python scripts. Ongoing.
- **Multilingual call graph generator:** I work with a team of 5 to make call graph generators for Java and Python.
- **Roadmapedia:** A learning roadmap wiki for users to create, track, and share learning roadmaps. I built the rich roadmap diagram creator with d3.js.
- **Real Time Style Transfer:** Style live webcam output with paintings with trained MobileNets.

LANGUAGES AND TECHNOLOGIES

- **Languages:** Typescript, React, Python, Java, C++, Haskell
- **Technologies:** Unix, Docker, Ansible, Terraform, AWS, GCloud

ACTIVITIES

- **Unfooling.com:** I meditate on maths, life, and Haskell.
- **Game Design Club:** As the president, I lead the club in making games and tooling in SFML and C++.
- **Youtube Channel:** I gathered my first 1k subscribers from ReactJS, D3.js, and ML tutorials. Now I work on the "code base deep dive" series, where I dissect open source repos such as git, redis, npm, apache http server, etc.