

Changhong Yang

☎ (434)-466-8922 | ✉ yangchanghong@protonmail.com | 🏠 <https://changhong-yang.github.io> | 📷 [changhong-yang](#)

Education

University of Virginia

M.S IN COMPUTER ENGINEERING

- Advised by Prof. Felix Xiaozhu Lin
- Related Coursework: Computer Security, Operating System, Software Analysis

Charlottesville, VA

Aug. 2021 - Present

University of Illinois at Urbana Champaign

B.Sc IN MATHEMATICS AND COMPUTER SCIENCE

- Related Coursework: Advanced Algorithms, Machine Learning, Data mining, Data Structure
- Honor: Dean's List

Champaign, IL

Aug. 2016 - May. 2020

Research Experience

University of Virginia Research Project

RESEARCH ASSISTANT ADVISED BY PROF. FELIX LIN AND PROF. YANGFENG JI.

- Compiled summaries over active learning, coresets selection, and Shapley Value.
- Reproduced greedy k center algorithm and max entropy uncertainty sampling on Distilbert input representations.
- Migrated previous experiment results into the field of computer vision.

Charlottesville, VA

June. 2022 - Present

Work Experience

LinkedSee

PYTHON BACK-END INTERN

- Responsible for writing all Back-End APIs using the Django REST framework for reporting Real-time system information of thousands of computer clusters.
- Set up the web user login mechanisms including user authentication, session timeout token, and csrf token validation.
- Created and Maintained CI/CD pipeline for the whole team using Bash scripts, Nginx and Git.
- Along with other colleagues, designed a more efficient data flow that improves around 10% latency.

Beijing, China

Mar. 2021 - Apr. 2021

KingLv Environmental Protection

SOFTWARE DEVELOPMENT INTERN

- Hosted an Nginx server to provide real-time status for hundreds of wastewater plants.
- Analyzed Data schema for around twenties IoT devices and designed the corresponding front-end interface for display.
- Collaborated with the product management team and devised the IoT boxes deployed in the wastewater plants.
- Initiated a local failover service for the company's data using NAS storage.

Changsha, China

Nov. 2020 - Mar. 2021

Project

MIT 6.S081 class project

SIDE PROJECT

- Studied classical distributed system papers that include MapReduce, Raft, Zookeepers, etc.
- Constructed a simplified Raft key-value storage system and passed all the provided test cases.

Charlottesville, VA

Jan. 2022 - Mar. 2022

Skills

Programming	Python, C++, LaTeX, HTML/CSS, Javascript, JAVA
Back-end	SQL, Django, REST API, Nginx, Git
Other Tools	Pytorch, Hugging Face, Numpy, scikit learn, Tensorflow
Languages	Chinese, English