

Jizhou (Colin) Tang

Williamsburg, VA

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Personal Website: <https://ctlandu.github.io>

Education

The College of William & Mary, Williamsburg, Virginia

May 2025

Bachelor of Science in **Computer Science**, minor in Arts

The Chinese University of Hong Kong (CUHK), Shenzhen

October 2020 – May 2022

Technical Experience

Tech Stack: Linux, Bash, Git, Docker, Python, Java, SQL, Redis, Django, React.js

Software Development Engineer | Shanghai UTOPILOT technology co. ltd

May 2023 – Aug 2023

- Collaborated in the development of backend systems using Java within a 20-member team environment. Successfully delivered 3 client-specific projects, demonstrating proficiency in code collaboration, review, and deployment processes. Leveraged expertise in team tools including Git, Jira, Slack, and Amazon AWS to streamline workflows and enhance productivity.
- Implemented the database master-slave and master-master setups inside Docker container to establish enterprise-level disaster recovery backups and put them on the server for clients use.
- Drafted several Bash scripts on Ubuntu for the sake of achieving regular backups for the database and the functionality to revert to specific versions of the team project. Acquired proficiency in utilizing both MySQL binlog incremental backups and mysqldump full backups.

Research Assistant | “Interpretable Routing in Disaster Response Management”

January 2023 – Present

Link: <https://www.yutingyuan.net/zero-covid-policy>

- Researched on the impact of strict 3-month lockdown in Shanghai, China early 2022 on residents’ daily lives, medical and food needs, and other implications. Wrote reports and meet with the Professor regularly.
- Scraped and cleaned a set of over 10,000+ data from a nongovernmental help request online form using Python packages such as pandas, matplotlib, and BeautifulSoup.
- Implemented the data to visually draft 7 graphs for the use of descriptive analysis, presented at the project website.

Website Development

May 2022 – Present

- Write a technical proposal on developing a website for students to rate their instructors at Chinese universities.
- Surveyed peers to research the feasibility of website commercialization.
- Draft the schemas, attributes, and relational dependencies of the database of the website.
- Initialize the sample MySQL codes to build and manipulate the data.
- Utilize Python Django to build up the website structure; design the layout of webpages using HTML, CSS and JavaScript.

Additional Experience

Peer Mental Health Counselor

February 2021 – May 2022

CUHK Student Health and Counselling Center

- Meet 1:1 with students who feel down, stressed or are experiencing other mental health issues weekly.
- Communicate with clients and provide resources to help them relieve stress and depression.
- Answer incoming calls at the Student Health and Counselling Center at night.
- Provide immediate mental health care and report emergency cases to the school’s professional psychological doctor.