Lin Zhang

Computer Science   Cell: (571)-279-7724
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Education

B.S.   Computer Science   Virginia Polytechnic Institute and State University   2020 Fall

Skills and Interests

Computer Skills: Kotlin, Java, C, JavaScript, R, Python, Prolog, Scala.
Language: English, Chinese.
Interest: Guitar, Music.

GPA(/4.0)

Overall: 3.85   In major: 3.91

Research

Undergraduate Research -- Uncovering novel viruses in human microbiome data and soil data:
Using pipeline approaches to recover high-quality viral genome sequences from metagenomic samples and test coverage.

Research Assistant -- Metastorm project: (https://bench.cs.vt.edu/MetaStorm/)
My work is mainly about updating the Metastorm web server and API.

Current work

Volunteer Research -- OpenDsa: (https://github.com/OpenDSA/OpenDSA)
Content and Infrastructure for interactive eTextbooks.

Volunteer Research -- Drone Project (Smart farm):
Schedule drone routs, collect farm data, and animal detection.

Teaching Assistant

UTA: CS 2506: Computer Organization II   (2020 Spring).
UTA: CS 4114: Formal Languages and Automata Theory   (2020 Fall).

Professional Activities

Efficient Web Archive Searching   Jan 2020 – May 2020   Capstone
Address the theoretical and methodological implications of some suitable hashing algorithms locally, and eventually improve the whole performance of web archive searching in time complexity.
(https://vtechworks.lib.vt.edu/handle/10919/98241)

Other Activities

Vice president of Chinese Students Scholars Association.
International collegiate programming contest volunteer (icpc).
Individualized cybersecurity research mentoring (imentor) attendee