

Bocheng Cui

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SKILLS

Programming languages: C, C++, Golang, Python, SQL, and Java

PROJECTS

Extracting Amplicon Reads from a Whole Shotgun Metagenomic Dataset (Python, SQL, Shell)

[\[Code\]](#)

- Designing, building, and maintaining the database.
- Created scripts and designed algorithms for sorting and sequencing.

Sharded K/V storage system (Go, Python, Shell)

[\[Code\]](#)

- Implemented Raft protocol and built a fault-tolerant Sharded K/V storage system on it.

Distributed MapReduce (Go, Python, Shell)

[\[Code\]](#)

- Implemented a Distributed MapReduce model.

WORK EXPERIENCE

University of New Hampshire College of Engineering and Physical Sciences

Teaching Assistant.

Durham, New Hampshire
September 2021- Present

- TA for 1 ungraduated-level and 1 graduate-level CS courses.

University of New Hampshire College of Engineering and Physical Sciences

Programming Assistance Center Consultant.

Durham, New Hampshire
September 2021- Present

- Programming Consultant, helping students with coding.

University of New Hampshire College of Engineering and Physical Sciences

Computer Science Grader

Durham, New Hampshire
February 2021- June 2021

- Grader for 2 computer science courses.

University of New Hampshire Dining Service

Food Serve Assistant - Student

Durham, New Hampshire
August 2020 - December 2020

- Worked in various positions based on University of New Hampshire dining hall needs.

Intel China, Ltd.

Team leader

Qingdao, China
June 2015 - May 2017

- Lead a team to participate in the Excellent Student Program. Learned how to lead a team.

EDUCATION

University of New Hampshire

M. S. in Computer Science

GPA: 3.47/4.00

Durham, New Hampshire
Expected by December 2021

Qingdao University of Science & Technology

B.S. in Polymer Material and Engineering

Qingdao, China
September 2014 - June 2018