DIJKSTRA LIU

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EDUCATION

Washington University in St. Louis   August 2022 to present
Bachelor of Science in Computer Science   **GPA 4.0/4.0**
Capital Normal University High School   September 2019 to May 2022
Graduated with High Honors

TECHNICAL SKILLS

- Strong foundation in data structures, algorithms, operating systems, software engineering, design patterns, and computer networks.
- Proficient in C/C++/Java programming language, demonstrating a deep understanding of algorithms and data structures. Be able to use algorithms of parallel programming.
- Familiarity with programming tools and technologies like Git, Visual Studio, and Linux.
- Proficient in web development technologies such as HTML, CSS, JavaScript, and frameworks such as React or Angular, with experience in developing front-end and back-end applications using tools such as Node.js and database MySQL.

COMPUTER SCIENCE EXPERIENCE

Dijkstra's IT blog
Founder   May 2017 to present
- Write a personal IT blog and published articles on introductory programming algorithms and data structures, which gained >300k views. https://www.cnblogs.com/dijkstra2003

Capital Normal University High School Computer Science Club
Founder & Leader   June 2019 to May 2022
- Gave 150+ lectures on programming algorithms and data structures to High School students, 10 of whom placed high in the National Olympiad in Informatics finals. Recruit 20 members to expand the teaching program during the past three years.

Computer Science Elite Program
Researcher   Sep 2021 to May 2022
- Selected (10 of 600 students) to study at the Beijing Institute of Technology. Learned TensorFlow Machine Learning and NLP. Programmed an AI that can generate music.

Washington University in St. Louis Computer Science Engineering Department
Teaching Assistant   Jan 2023 to present
- Being TA at WashU CSE247 Data Structure and Algorithm. Holding weekly studios to help students have a better understanding of algorithms.

HONORS AND AWARDS

- Distinction Rank (Top 5%) in 2021 AMC 12A   2021
- 1st Place in Gold Division (out of 723 participants) of the USACO Contest   2020
- Top 2% of 148,880 students, National Olympiad in Informatics in Province (NOIP) 2019