Lawrence Chen

lawrencedchen.com

(+1) 609-865-4703
ldc2@andrew.cmu.edu

_____

Education

Carnegie Mellon University   **August '19 - Present**
B.S. Candidate in Computer Science | 3.86 GPA   Pittsburgh, PA
Relevant Coursework: Operating Systems, Advanced Algorithms and Data Structures, Vector Analysis, Introduction to Deep Learning, Computer Graphics, Undergraduate Complexity Theory, AI Representation and Problem Solving

Experience

Jump Trading   **June '22 - August '22**
Quantitative Researcher Intern   Chicago & New York
- Explored various database implementations for compact and efficient market data storage.
- Developed high performance C++ to quickly execute orders in reaction to market updates.

Carnegie Mellon University   **January '22 - May '22**
15-451 (Advanced Data Structures & Algorithms) Teaching Assistant   Pittsburgh

Facebook AI   **May '21 - August '21**
Software Engineer Intern   Remote
- Optimized a webapp that allows the user to spawn, grab, and move around objects in a VR headset, with the goal of collecting human data to train agents. Used Javascript Web Workers to improve performance via multithreading.

Google   **May '20 - August '20**
STEP Intern   Remote
- Cooperated with podmates to create *Street Explorer*, a website in which users can create and solve custom scavenger hunts on Google Maps.

Awards and Achievements

Computer Science/Coding
- International Collegiate Programming Contest: World Finalist
- Google Code Jam: Round 3 Qualifier (top 65 of over 1500 professional programmers in US)
- MIT Battlecode: 2x high school division champion, 4x finalist, 2nd place in 2019 and 2021, 3rd in 2022
- USA Computing Olympiad: Platinum Division
- Codeforces (largest international competitive programming platform): Master; top 1%

Other
- USA Physics Olympiad: Honorable Mention
- American Invitational Math Examination: 5x qualifier, top 20% scorer

Skills and Technical Strengths

Programming Languages   C++, Java, Python, C, HTML, CSS, Javascript
Software & Tools   Command Line, Github, LaTeX, MS Office