

LAWRENCE CHEN

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EDUCATION

Carnegie Mellon University

2019 - Present

B.S. Candidate in Computer Science
School of Computer Science

Princeton University Dual Enrollment

2018 - 2019

MAT 214: Numbers, Equations, and Proofs
MAT 217: Honors Linear Algebra

A+
A-

Princeton High School

2015 - 2019

3.93 Unweighted GPA, 4.63 Weighted GPA
35 ACT
National AP Scholar

EXPERIENCE

MIT Battlecode AI Competition

Used Java to program bots to play army strategy video games against other AIs. Each competition lasted one month. Two-time winner of the high school division. Also placed in 5th and 2nd overall in 2018 and 2019, respectively.

SegAN Neural Network Research

Under Prof. Sharon Huang of Lehigh University

SegAN uses a segmentor network in conjunction with a critic network to highlight lesions on images of human skin. My modification gave the critic more information to better analyze output from the segmentor. Implemented in PyTorch.

Club Participation and Leadership

Co-captain of high school math club, competitive programming club, and physics club. Current member of CMU's ScottyLabs, math club, physics club, competitive programming club, and CMIMC club.

AWARDS AND ACHIEVEMENTS

- Google Code Jam: Round 3 Qualifier
- AIME Qualifier
- USA Physics Olympiad Semifinalist
- USA Computing Olympiad: Platinum Division

SKILLS AND TECHNICAL STRENGTHS

Programming Languages
Algorithmic Knowledge
Software & Tools

C++, Java, Python
Segment trees, graphs, flows, dynamic programming, etc.
MS Office, L^AT_EX