ANNA LEE

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EDUCATION

Bachelor of Computer Science, Carnegie Mellon University　　　　Expected May 2025
School of Computer Science (GPA: 3.73)

- Selected Coursework: Computer Systems, Computer Security, Algorithm Design, Principles of Programming Languages, Artificial Intelligence (*Currently taking:* Compilers, HOT Compilation)

High School Diploma, Harriton High School　　　　Sep 2016 - Jun 2020

EXPERIENCE

Teaching Assistant (15-210)　　　　August 2023 - December 2023
Carnegie Mellon University　　　　*Pittsburgh, PA*

- Held weekly recitations, teaching algorithm design principles (divide and conquer, contraction, graph algorithms, dynamic programming, minimum spanning trees) and data structures (tables and augmented tables, priority queues).
- Held weekly office hours, helping students with conceptual questions and course assignments.

Teaching Assistant (15-112)　　　　Jan 2022 - August 2023
Carnegie Mellon University　　　　*Pittsburgh, PA*

- Held weekly recitations and office hours, teaching Python and problem-solving skills to over 20 students.
- On grading division, created rubrics, collaborated with leads, and led grading sessions while balancing efficiency and attention to detail.
- Mentored students in a medium-size independent project, providing personalized guidance.
- As content creation lead, created daily recitation plans, practice quizzes, and extra practice session plans, targeting learning objectives and challenging critical thinking.

Data Analyst　　　　Sep 2020 - Dec 2020
Mastery Schools　　　　*Philadelphia, PA*

- Performed statistical analysis of employee retention using Microsoft Excel, interpreting trends over several years.
- Synthesized data into high-level summaries of general trends for presentation.
- Reported findings and presentation directly to Chief Talent Officer.

PROJECTS

Memory Allocator　　　　June 2022
Project for 15-213 (Introduction to Computer Systems)
Wrote a dynamic memory allocator in C, applying optimizations to improve throughput and memory utilization. Optimizations included segregated lists for block sizes, shrinking the size limit of allocation, and removal of footers for better utilization.

ADDITIONAL

Languages	Python, Standard ML, C, C++, Rust, Java, HTML, CSS
Tools	Git, Vim, LaTeX, Microsoft Excel
Other	U.S. Citizen; no work authorization required

HONORS

- SCS Dean's List F22, S23, F23