Stephen Nah

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EDUCATION

Carnegie Mellon University
B.S. in Computer Science
Minor in Physics
August 2021 - May 2025
Overall GPA: 3.96/4.0
Relevant Coursework:
- Introduction to Computational Physics
- Introduction to Computer Systems
- Principles of Functional Programming
- Great Theoretical Ideas in Computer Science
- Parallel and Sequential Data Structures and Algorithms

SKILLS
- Python
- C
- SML / OCaml
- HTML / CSS
- Javascript
- Git
- Autodesk Inventor

TEACHING EXPERIENCE

Teaching Assistant
January 2023 - Present
- Led recitation lectures and held office hours for Principles of Functional Programming
- Provided feedback on hundreds of students' homework assignments and exams
- Revised and playtested course material

CMU Computer Science Academy CPCS/Outreach Team
July 2022 - Present
- Designed and reviewed content for online Python curriculum made for high school students and CMU students enrolled in introductory programming course
- Co-led monthly professional development sessions to teach course content for high school teachers

Supplemental Instruction Leader
August 2022 - December 2022
- Led weekly study sessions for Physics I for Science Students
- Created problem worksheets and solutions for sessions
- Utilized collaborative activities to engage students with each other

PROGRAMMING PROJECTS

Cold Gravitational Collapse Simulation
Introduction to Computational Physics Final Project
- Simulated three-dimensional N-body system using particle-mesh (PM) method
- Evolved gravitational collapse and explored resolution limitations of PM code

Malloc Lab
Introduction to Computer Systems Project
- Implemented a dynamic memory allocator for C programs via segregated free lists

paigeBot
Personal Project
- Created a social media application which interacts with a database API to quiz users