

# 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