# **STEPHEN NAH**

snah@andrew.cmu.edu
https://stephennah.dev

#### **EDUCATION**

### **Carnegie Mellon University**

Bachelor of Science in Computer Science, Concentration in PL Theory, Minor in Physics | GPA: 3.89/4.0May 2025Relevant Courses: Compiler Design, Database Systems, Networking and the Internet, Machine Learning, Algorithm Design and<br/>Analysis, Foundations of Programming Languages, Higher-Order Typed Compilation, Advanced Computational PhysicsMay 2025

#### EXPERIENCE

Software Development Engineer Intern	Seattle, WA
Amazon	May 2024 – August 2024
<ul> <li>Built a per-tenant workflow provisioner for fraud and risk mitigation</li> </ul>	
<ul> <li>Implemented AWS Step Functions, Amazon S3, and AWS Lambda infrastructure using AWS CI</li> </ul>	DK in Typescript
<ul> <li>Designed interface definition with API Gateway integration using Smithy</li> </ul>	
Software Engineering Intern	Pittsburgh, PA
	January 2024 – December 2024
<ul> <li>Built and maintained CS Academy website, an online Python curriculum for high school stude</li> </ul>	ents and CMU students enrolled
in introductory programming course	
• Developed website interface using React, Redux, and SCSS to enhance teacher and student e	-
<ul> <li>Implemented keystroke tracking with precise timing using Django, enabling accurate plagiaris</li> </ul>	
Teaching Assistant	Pittsburgh, PA
Carnegie Mellon University	January 2023 – May 2025
Lead weekly recitation lectures and hold office hours for Compiler Design / Principles of Func	ctional Programming
Provide feedback on hundreds of students' homework assignments and exams	
Conduct code reviews for organization and documentation across student codebases	
CMU Computer Science Academy CPCS/Outreach Team	Pittsburgh, PA
CMU Computer Science Academy	July 2022 – December 2023
Designed and reviewed notes and exercises for online Python course	
<ul> <li>Co-led professional development sessions to teach course content to high school teachers</li> <li>Resolved Freshdesk support tickets by assisting with debugging and clarifying course content</li> </ul>	
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## **SKILLS**

Languages: Python, C/C++, Rust, Java, HTML/CSS, Javascript/Typescript, OCaml, Lean, SQL, R Other: Git, OpenMP, OpenACC, MPI, Apache Spark, PyTorch, TensorFlow, x86 assembly, React, LaTeX 201-625-5229 https://github.com/snah0902

Pittsburgh, PA