

**Sean Smith**  
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## EDUCATION

Boston University, Boston, MA  
Bachelor of Arts, Computer Science 2017  
Masters of Science, Computer Science 2017  
Combined BA/MS Program, completed in 4 years  
Graduation Speaker, CS Department

## EXPERIENCE

**Sr. Gen AI Solution Architect** Amazon October 2023-Present  
Seattle, WA

- Experience optimizing code for distributed training on H100 gpus using Slurm, EFA and Pytorch.
- Contributed code such as Megatron-LM training architecture using Slurm on H100/A100 instances.
- Built out ML Workshops, a guide on how to train foundational models in the cloud.

**Sr. HPC & ML Solution Architect** Amazon April 2022-October 2023  
Seattle, WA

- Built out ParallelCluster Manager, a web UI for AWS ParallelCluster
- Gave a talk at re:Invent, The Future of Computational Fluid Dynamics
- Initiated and developed strategic customer relationships.

**HPC Solution Architect** Amazon April 2020-April 2022  
Seattle, WA

- Built No-Tears-Cluster, then followed on with Cluster Creator

**Software Development Engineer II** Amazon November 2018-April 2020  
Seattle, WA

- Built AWS ParallelCluster from scratch and launched at SuperComputing 2019

**Software Development Engineer** Amazon September 2017-November 2018  
Seattle, WA

**Internships** June 2014-August 2016

- Amazon, Summer 2016
- AthenaHealth, Summer 2015
- ActivePrime, Summer 2014

## TECHNICAL SKILLS

Main languages: Python, Java, C, Javascript  
Skills: AWS, Linux, HPC, Containers, ML

## BOSTON UNIVERSITY

- President of the on-campus makerspace BUILDS
- Course Assistant for CS 112 (Data Structures and Algorithms), CS 210 (Computer Systems)
- Teaching Assistant for CS 558 (Network Security)
- Made top 16 world-wide and traveled to China to compete in ASC
- Made top 12 and traveled to Germany to compete in the International Super Computing Competition (ISC)
- Won 3rd in NSEC CTF

## **PERSONAL PROJECTS**

- The Fifty Project: In September 2022, my Fiance and I set out to fly our Mooney to all 50 US States in order to raise money for Angel Flight
- Published Paper in Passive and Active Measuring Conference 2018: The Unintended Consequences of Email Spam Prevention
- Sea Rover: A 14-foot autonomous boat build to navigate the ocean. Completed open ocean testing successfully June 2016

## **ADDITIONAL INFORMATION**

- Eagle Scout
- Commercial Pilot, ASEL, ASES, TW, CFI, CFII