

Cameron K. Brown

1261 NW Overton St, Apt 156, Portland, OR 97209
919.260.6953 | realcambrown@gmail.com | [\[My LinkedIn\]](#)

Skills

Expertise in Computer Architecture, SystemVerilog, Python, Git, Linux, Software Eng. (OOP, Data Structures, etc.); experienced with Agentic AI (Claude Code, Codex), C/C++, ARM ISA, Cadence/Synopsys EDA tools, Design Automation

Education and Academics

Northwestern University, Evanston, IL (2020 – 2023)

McCormick School of Engineering and Applied Science

- MS, Computer Engineering (June 2023) – GPA: 3.9
 - Concentration: Architecture & VLSI algorithmics
- BS, Computer Engineering (June 2022)
- Other: Member of IEEE & Club Baseball

Carleton College, Northfield, MN (2018 – 2020)

- Majors: Computer Science & Mathematics
- Recruited out of HS to Varsity Baseball (NCAA D-III)

Work Experience & Activities

Ampere Computing — Senior Logic Design Engineer (Apr 2026—Present)

— Logic Design Engineer (Aug 2023—Apr 2026)

- Present role is as an SoC microarchitect, with additional ownership over the CPU's SPR model.
- Most of my time is spent as a developer (and end-user) of our in-house SoC integration tools. This role involves interfacing with architecture to develop the final floorplan for our products, as well as providing power, timing and area data for our SE teams.
- My expertise has expanded from fundamental CPU logic design to designing full-stack automated pipelines that parse architectural inputs to generate functionally and physically correct RTL.

Ampere Computing — Logic Design Intern (Summer 2022)

- Used SystemVerilog to code new RTL within the MMU of the newest custom core being designed at Ampere
- Collaborated with other team members in analysis of instruction decoder to reduce logical effort and save as much as 1.5% CPU power.
- Worked with teams from across the core to identify power-intensive events within ULMs and generate a pre-synthesis tracker for their occurrence.

SAS Institute Inc. — Technical Intern in Machine Learning (June 2020 – August 2021)

- Engineered automated test specifications in Groovy, including the primary smoke test for VDMML (SAS ML product) that is utilized when changes are pushed through the promotion pipeline.
- Automated bug triage for multiple teams within SAS Viya by creating a suite of Python tools that automatically addressed and resolved issues related to server-side performance
- Gained extensive experience with software such as Docker, Jenkins, Kubernetes, and other tools used in CI/CD

Other Hobbies, Interests, and Skills

- Baseball: I was a collegiate baseball player, and have played for the Portland Pickles.
- Alpine & Backcountry skiing; Mountain biking; Summited eleven 14,000ft+ mountains.