

Abraham Meshesha

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US Citizen in Seattle, WA

Education

- B.S. in Computer Science from Gonzaga University in WA GPA: 3.5 | May 2028
- Active Member of ColorStack and National Society of Black Engineers (NSBE)

Work History

Computer Science Teaching Assistant at Gonzaga University, WA Aug 2026 to Current

- Taught students how to write Python code using Object-Oriented Programming (OOP), data structures, and algorithms.
- Graded projects using unit testing, debugging, and code reviews to help students fix bugs.
- Applied weekly professor feedback to improve grading rubrics and student tutoring.

AI Research Assistant at University of Hawaii Hilo, HI Jun 2026 to Jul 2026

- Developed a Python AI coding assistant using OOP and PyTest that filters noisy LLM suggestions to help developers write software faster.
- Engineered a web code editor using Flask, JavaScript, HTML, and CSS with REST API endpoints to record live developer interactions.
- Collaborated with engineers using Git, Continuous Integration (CI), and Docker, acting on supervisor code reviews to improve filtering.

Projects

Yenesow

- Shipped an AI mobile app to the Apple App Store using TypeScript, React Native, and Node.js to help users stay connected with friends.
- Built REST APIs using PostgreSQL, SQL, and AWS Bedrock AI to track contact history and generate outreach prompts.
- Deployed backend services on AWS ECS with teammates using Git, Claude, and Docker, fixing production bugs reported by early users.

Jan's Line

- Built a web app using React, Next.js, Python, Django, and OOP to calculate live bar wait times from crowdsourced student check-ins.
- Created a mobile web interface with TypeScript, JavaScript, HTML, and Tailwind CSS, working with student testers to make live line updates clearer.
- Configured REST API endpoints and a PostgreSQL database on Amazon RDS (AWS), using SQL and PyTest to block false wait reports.