

Buruk Yimesgen

Auburn, Washington | (206) 928-1358 | burukyimesgen@gmail.com | <https://github.com/buruky> | [linkedin.com/in/Buruk-Yimesgen](https://www.linkedin.com/in/Buruk-Yimesgen)

Education

University of Washington

June 2026

Double Major: Bachelor of Science in Computer Science and Systems, and Mathematics

GPA: 3.70

Summary

Computer Science and Mathematics graduate (June 2026) with hands-on full-stack development experience building customer-facing applications end to end. Led development of Fabriq, a full-stack Next.js and React web app with an integrated database and generative AI recommendation features, placing 3rd among 10+ teams. Built a production Salesforce case management system used daily by 10 staff, working across custom objects, backend logic, and user-facing tools. Comfortable working across frontend UI and backend data layers, with strong foundations in data structures, algorithms, and object-oriented design from coursework and ICPC competition.

Skills

Programming Languages: Python, Java, JavaScript (Next.js, React, Node.js), HTML, CSS, R, SQL

Tools & Frameworks: Git, Docker, JUnit, SQLite, scikit-learn, IntelliJ, VS Code, R Studio, Postman, Claude Code

Concepts: Data Structures & Algorithms, MVC Architecture, Agile Development, Unit Testing, Data Visualization

Professional Experience

Freelance Salesforce Developer, Eritrean Community Connections – Remote

March 2026 – Present

- Streamlined case intake from hours to minutes by architecting a **9-stage lifecycle** across **4 custom Salesforce objects**.
- Built custom functionality using **Apex, Lightning Web Components, and Visualforce pages** to support a **Salesforce case management application** currently used by **10 staff** spanning 3 distinct roles.
- Architected a reusable **multi-program framework** (WAMAS, PRIME, Other) on **Nonprofit Success Pack (NPSP)**, with configurable per-program eligibility logic built to onboard additional nonprofit clients.
- Own full application maintenance and administration, building **Salesforce dashboards** to monitor case data.

Data Science Research Program, NCA&T – Greensboro, North Carolina

May 2024 – July 2024

- Achieved **125% lower MSE** with XGBoost among **5 benchmarked ML models** (XGBoost, Deep Neural Networks, GLM) across multiple imputation techniques on climate datasets with missing values.
- Analyzed **15+ years** and **10,000+ data points** of NASA's GRACE satellite tracking water distribution using **R and Python**, leveraging data cleaning, visualization, and time-series analysis to support prediction models.

Computer Science Course Facilitator, University of Washington

Jan 2025 – March 2026

- Improved student exam scores by **10% above course averages** by facilitating bi-weekly sessions in **Discrete Math** and Object-Oriented Programming for **70+ students** using Socratic methods and group work.
- Designed and delivered 30+ problem sets, coding challenges, group projects, and interactive exercises on a weekly basis across 5 quarters to strengthen problem-solving skills.
- Increased student engagement 35% per biweekly course evaluations by adding key student suggestions.

Projects

Fabriq – Full Stack AI Fashion Website | Next.js, React, NeonDB, OpenAI

May 2025 – Present

- Led a team of **4** to build a full-stack web application using **Next.js, React, and database** to generate and visualize outfit combinations powered by **generative AI**; **placed 3rd among 15 teams** in a **hackathon**.
- Implemented user authentication system, onboarding a **pilot group of 5 users** to create accounts, sign in, and maintain personalized **digital closets** for saving garments and outfits.
- Engineered an AI-driven outfit recommendation system utilizing generative models to deliver personalized styling suggestions based on user closet inventory.
- Developed 6+ API endpoints and implemented a user authentication system, developing both frontend and backend components to manage database design and user state management across the application.
- Used Claude Code to accelerate feature development on Fabriq, cutting API integration debugging time by 40% while critically reviewing all AI-generated code before merging.