

Yitbarek Ejigu

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EDUCATION

University of Washington

Sep 2024 - Jun 2027

Bachelor of Science, Computer Science, Minor: Informatics (GPA: 3.3)

Seattle, WA

- **Coursework:** Software Tools (CSE 391), Hardware/Software Interface (C, Assembly), CalculusIII, Foundations Computing I (Discrete Math), Foundations of Computing II, data structures and algorithms, Harvard CS50: Introduction to Computer Science

Highline College

Sep 2022 - Jun 2024

Associate of Science, Computer Science (GPA: 3.7)

Des Moines, WA

- **Achievements:** Cultural Learning Communities Academic Achievement Award, Received the Above & Beyond Award

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C, C++, Swift, R Programming, HTML, JavaScript, CSS, TypeScript
- **Development Tools:** Git, Eclipse, Figma, Firebase, Pycharm, VS Code, Cursor, XCode, LaTeX, MySQL, Jupyter, React Native, Isaac Lab
- **Skills:** Collaborative Problem-Solving, Team Collaboration, API design Skills, Leadership, Object-Oriented Design, UI/UX Design

PROFESSIONAL EXPERIENCE

AVELA | Python & Mixed Reality Instructor

Sep 2024 - Present

- Facilitated mixed reality and coding workshop, bridging opportunity gaps for over 40 high school students through integrated technical learning experiences in Python and mixed reality.
- Created and delivered 5+ STEM outreach workshops, improving technical skill for 40+ high school students preparing for college.

Gold Crest LLC | Database Intern – Data Integrity & Management

May 2023 - Sep 2023

- Managed and maintained a database system for storing over 200 client records, ensuring data accuracy and integrity, which led to increased client trust and streamlined operations
- Conducted detailed reviews of client entries, identifying 40+ data inconsistencies and enhancing record integrity by 35%.

PROJECTS

Founder & Developer - LoopIn (University App)

Jun 2025 - Present

Startup

- Building a cross platform MVP (React Native, Firebase, TypeScript) to help students create/join study sessions, attend events, and buy or exchange items through a student marketplace.
- Implementing the Firebase backend and early AI helpers (scheduling/message drafts) with a focus on clean UI and reliable CRUD.

Premier League Match Outcome Predictor

Jan 2025 - Feb 2025

Personal Project

- Engineered a machine learning model using Python and scikit-learn to predict Premier League match outcomes, achieving ~68% accuracy on 3+ seasons of historical match data.
- Processed and engineered features from 1,100+ matches, trained Logistic Regression and Random Forest classifiers, and achieved a 12% improvement over baseline win-rate models.

Java Code Coach | <https://lovable.dev/projects/3ba2c2d6-58f6-43fb-b4c9-8569d9263209>

May 2025 - May 2025

Personal Project

- Built a web app that checks Java code against UW CSE style guidelines with live editor and file uploads.
- Implemented inline feedback system that outputs reviewed code with TA-style comments to help students improve readability and quality.

Real-Time Stock Market Web App

Sep 2025 - Present

Personal Project

- Built a full-stack stock dashboard using Next.js 14, TypeScript, and shadcn UI, featuring live prices, interactive charts, and alert creation.
- Integrated Finnhub API for real-time market data and automated price-alert checks with Upstash Redis + Inngest serverless cron jobs.
- Added an AI Insights endpoint to generate natural-language summaries of stock trends and deployed the app on Vercel for public access.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Amazon Campus Prep Series | Participant

Jun 2025 - Aug 2025

CodePath | Technical Interview Prep Fellow

Jun 2025 - Sep 2025

Google Development Club, University of Washington | Event Coordinator

Jan 2025 - Present

- Coordinated 4+ events including internship panels, speaker sessions, and tech info nights in partnership with BITS, IUGA, and ColorStack, reaching 100+ students across UW.
- Collaborated with marketing teams and student orgs to promote events, boosting attendance by 40% and increasing club engagement through themed programming and targeted outreach.

Umoja and Promise, Highline College | Mentor/ Tutor

Sep 2022 - Jun 2024

- Organized and led 6+ academic workshops with advising support, resulting in higher student attendance and broader leadership involvement across Umoja and Promise cohorts.
- Tutored 50+ Promise and Umoja students in math (Algebra–Multivariable Calculus) and English over 6+ months, improving grades and boosting retention in STEM-related courses.