

# Jacob Miller

Renton, WA

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## SKILLS

- Frontend: HTML, CSS, JavaScript, Flutter, Dart,
- Backend: Node.js, Express.js, TypeScript
- Database: MongoDB
- DevOps & Hosting: AWS EC2
- Programming Languages: C++, Java, Dart, TypeScript

## EDUCATION

### Bachelor of Science in Computer Science

September 2021 - December 2025

*Seattle Pacific University, Seattle, WA*

*Relevant Coursework: Software Engineering, Data Structures, Systems Design, Netcentric Computing, Operating Systems, Database Management, Computer networks, Computer Architecture, Cybersecurity, Linear Algebra, Algorithm Design and Analysis.*

## TECHNICAL EXPERIENCE

### Messenger REPL — Real-Time Messaging Console for 3NUM

Summer 2024

*3num Project, Seattle, WA*

- Built REPL tool to manage real-time messaging within the 3NUM platform.
- Integrated WebSocket connections and API listeners for event-driven updates (shields, conversations, and messages), providing commands for login and message retrieval.

### Winter Ark — Full-Stack Fitness & Social Media App

January 2025 - June 2025

*Software Engineering Project, Seattle Pacific University, Seattle, WA*

- Flutter front-end interacts with a Node.js/Express API hosted on AWS EC2, with MongoDB/Mongoose for flexible user, workout, and social data models.
- Reels feed plus an onboard upload interface for capturing or selecting photos and videos, automatically stored in AWS S3 and surfaced on both user profile pages and the global FYP stream.
- Gym-buddy connections complete with profile avatars, real-time direct messaging, and view friends' workout histories; plus an interactive workout planner/calendar and background-scheduled push reminders to keep users engaged and on track.

### Software Engineer Intern

May 2024 – December 2024

*3num Startup, Seattle, WA*

- Full-stack development with a focus on front-end work, contributing to multiple projects within the 3NUM product suite.
- Collaborated on real-time messaging systems using WebSockets and developed API integrations for various platform functionalities.
- Participated in team meetings through Slack to discuss task planning, review progress in Linear, and demo completed features for feedback.

## ADDITIONAL EXPERIENCE

### Retail Stock, Support, Fulfillment and Logistics

Summer 2019 – Summer 2022

*Nordstrom, Bellevue, WA*

- Managed merchandise and provided strong organizational support in a fast-paced retail environment.
- Prioritized and fulfilled customer orders promptly, delivering excellent customer service while maintaining flexibility to meet business needs.