

# Ava Nunes

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## EDUCATION

### University of Washington, Paul G. Allen School of Computer Science

*Bachelor of Science in Computer Science, Minor in History*

Sept 2023 – June 2027

Seattle, WA

**Relevant Coursework:** Data Structures & Algorithms, Software Design & Implementation, Systems Programming

**Awards:** 6x Dean's List recipient

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Java, C, C++, Python, SQL, HTML, CSS, Google Apps Script, Dart, Flutter

**Frameworks & Tools:** Next.js, React.js, React Native, Bootstrap, Git, Figma, Vercel, Sanity, REST APIs, MongoDB, Firebase

## WORK EXPERIENCE

### Coding Officer

Sept 2025 – Present

*Web Impact UW* | Next.js, React.js, REST APIs

Seattle, WA

- Delivering weekly workshops on web development fundamentals in Next.js and JavaScript, as well as covering topics including React, Bootstrap, REST APIs, MongoDB, and Git

### Website Team Lead

Jan 2025 - Present

*Sensors, Energy, and Automation Laboratory* | Next.js, Google Apps Script, Figma, WordPress

Seattle, WA

- Leading a team in writing academic papers and developing the lab's productivity software, website, and other software projects
- Redesigned laboratory dashboard UI serving 300+ engineers, improving task completion time by **73%** and achieving **99%** task success rate compared to **57%** with the previous dashboard system
- Developing novel Custom GPTs to improve lab processes, increased new member lab onboarding and task completion by **65%** with text generated by the model resulting in **97%** "human"

### Software Engineer Intern

June 2025 - Oct 2025

*narb* | TypeScript, Next.js, React, React Native, Figma, Expo Go

Remote

- Developed key frontend features for nHabit's mobile and web app that streamline user experience for geolocation-based habit tracking by building modular, responsive interfaces in React Native with Expo Go and in Next.js with TypeScript
- Enhanced performance and maintainability of mobile UI reducing screen load times by **30%** by refactoring navigation flow with React Navigation and implementing reusable components with shared state
- Improved user engagement by designing dynamic progress visualizations and interactive map screens using react-native-maps and custom animated components

### Lead Web Developer

Oct 2024 – June 2025

*Web Impact UW* | Next.js, Git, HTML, Tailwind CSS, Sanity, Figma

Seattle, WA

- Redesigned and optimized the UW Neurobiology Club website using Sanity and Next.js, resulting in a **30+** new members and a **32%** boost in event attendance

### CSE 190B Teaching Assistant

Sept 2024 – Dec 2024

*Paul G. Allen School of Computer Science & Engineering* | Undergraduate teaching

Seattle, WA

- Focused on a group of 30 computer science students from a direct-admit class of 320+
- Prepared and provided activities focusing on academic success, career preparation, and personal growth in computer science

## PROJECTS

### PathPal – 2025 NarbHacks

| TypeScript, React, React Native, Convex, Leaflet

- Developed a cross-platform social application using Next.js, and React Native, enabling seamless path creation for web and mobile users
- Created a real-time backend with Convex to implement secure, scalable APIs for user authentication and location tracking
- Integrated Leaflet to provide dynamic mapping functionality, supporting features like location display and path visualization

### Flights App

| PostgreSQL, Java, SQL, JDBC, JUnit

- Implemented a relational database schema to model users, flights, and user reservations for a simulated airline booking system
- Developed core backend functionality in Java using JDBC to interact with a PostgreSQL database, focusing on secure user account creation, login authentication, and balance management
- Created efficient flight search algorithms that returned sorted flight itineraries based on dynamic user-specified criteria