

# Milad Mehri

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## EDUCATION

### University of British Columbia

*Bachelor of Science in Computer Science*

Vancouver, BC

Sep. 2023 – Present

- Relevant Coursework: Software Construction (CPSC 210), Introduction to Computer Systems (CPSC 213), Basic Algorithms and Data Structures (CPSC 221), Introduction to Data Science (DSCI 100), Applied Machine Learning (CPSC 330)
- Activities: Competitive Programming (ACM ICPC), Neurotechnology Design Team (MINT), Visual Cognition Lab
- Hackathon Awards: *MLH Power Up Hacks* (Most Creative Use of Twilio), *Hackdemonium* (Best Environmental Hack)

## EXPERIENCE

### Software Engineering Intern

*Netverge Services – Next.js, Django REST, PostgreSQL, Redis, Docker*

Vancouver, BC

Apr 2025 – Aug 2025

- Led development of an AI-powered dashboard for Managed Service Providers (**300+ clients**), featuring real-time reports and a multi-agent LLM system that predicts incidents and orchestrates automated resolutions.
- Optimized the Next.js + Django API layer, reducing page-load times by **40%** by consolidating overlapping endpoint requests and implementing smart caching strategies.
- Shipped **80+ features** and bug fixes to production; automated repetitive workflows, reducing manual workload by **80%**.
- Presented the platform live at the **2025 Web Summit Tech Conference** to industry professionals, including customers, partners, and investors.

### Software Developer

*UBC Visual Cognition Lab – React, MongoDB, Tailwind*

Vancouver, BC

Feb. 2025 – Present

- Revamped the Visual Cognition Lab's website to improve UI/UX, performance, and content accessibility; implemented new features such as an AI chatbot that discusses the lab's research.
- Collaborated in weekly developer meetings to plan features, review progress, and align technical decisions with research goals.

### Software Engineer

*MINT Design Team – React Native, Python, scikit-learn*

Vancouver, BC

Jan. 2025 – Present

- Developing the **MindTap** app using React Native and iOS Switch Control, increasing accessibility for users with motor impairments by enabling **100% hands-free control**.
- Engineered an EEG calibration system that maps brain signals to specific user actions, providing detailed and comprehensive metrics to facilitate advanced neurotechnology research.
- Implemented a machine learning pipeline utilizing supervised classifiers to extract accurate, real-time binary ON/OFF mental commands directly from EEG data.

## PROJECTS [\[Link\]](#)

### Bongo, Discord Bot - *Discord.js, Node.js, MongoDB*

- Built a multiplayer economy game with a Discord bot, enabling in-game transactions.
- Scaled the platform to **200,000+ active users**, managing deployment and operations.

### ThenStep - *Next.js, Bun, OpenStreetMap, Google Maps API, Puppeteer*

- Developed a map application enabling natural language search for safer, scenic, and eco-friendly routes.
- Integrated OpenStreetMap and Google Maps API for dynamic and interactive mapping.
- Scraped local data with Puppeteer to enhance route variety and community-focused features.

### Pinpoint - Category Guessing Game - *Next.js, Node.js, Tailwind CSS, Supabase*

- Built and managed a category-guessing game with daily puzzles, reaching over **1,000,000 views** from **168 countries**.

### UBC Talks - *Typescript, Next.js, Supabase, Google, Tailwind CSS*

- Reddit-esque web application for student discussion about UBC courses, built with Next.js and Supabase.
- Allows users to log in, pin course channels, make posts, and upvote/downvote posts.

### SEO Snap - *Next.js, Node.js, Tailwind CSS, Web Scraping*

- Built and deployed a web app using web scraping to optimize search engine visibility.
- Developed feedback tools that helped **100+ users** improve website performance in the first month.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, Java, EJS, C, C++, Swift

**Frameworks:** React, React Native, Express.js, Next.js, Flask, Node.js, Bun, Supabase, Expo, Django

**Developer Tools:** Git, Docker, VS Code, Android Studio, Xcode, MongoDB, PostgreSQL, Firebase, Supabase, Vercel

**Libraries & APIs:** Scikit-learn, Puppeteer, Google Maps, OpenStreetMap, Twilio, bcrypt, Socket.io, Pandas