

# Milad Mehri

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## EDUCATION

### University of British Columbia

Vancouver, BC

*Bachelor of Science in Computer Science*

*Sep. 2023 – Present*

- Relevant Coursework: Computation, Programs, and Programming (CPSC 110), Models of Computation (CPSC 121), 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 Team (ACM ICPC), Intramurals;

## PROFESSIONAL EXPERIENCE

### Software Engineer Fellow

Remote

*Headstarter*

*July 2024 – Sep. 2024*

- Implemented and deployed developer tools that optimize search engine rankings and enhance customer support services, streamlining workflows and improving user engagement.
- Collaborated closely with industry mentors to design full-stack projects that adhere to the MVC design patterns and principles.

## PROJECTS [View](#)

### Bongo, Discord Bot <http://github.com/milad-mehri/bongo>

*Discord.js, Node.js, MongoDB*

- Designed and developed a multiplayer economy-themed game where users interact with a Discord bot to carry out in-game transactions with the goal of gathering as many coins as possible.
- Gathered a user base of approximately 200,000 active users, directly managing the platform's deployment and ongoing operational management.

### ThenStep <https://github.com/milad-mehri/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.

### UBC Talks <https://ubc-talks-264ncfoefq-uw.a.run.app/home>

*Typescript, Next.js, Supabase, Google, Tailwind CSS*

- Reddit-esque web application for student discussion about UBC courses, built with Next.js and Supabase.
- Authorization using OAuth2.0 flow with Google account.
- Allows users to log in, pin course channels, make posts, and upvote/downvote posts.

### SEO Snap <https://seo-snap.vercel.app/>

*Next.js, Node.js, Tailwind CSS, Web Scraping*

- Developed and deployed a web application that leverages web scraping to provide insights on optimizing search engine visibility and performance for web applications.
- Delivered feedback tools within the application to help users maximize website effectiveness, attracting about 100 users within the first month of deployment.

### NBA Career Length Predictor <https://milad-mehri.github.io/nba-career-length-predictor/>

*Scikit-learn, HTML, CSS, JS*

- Trained a machine learning model to estimate the career lengths of NBA players based on various statistics and trends.
- Achieved high predictive accuracy (MSE  $\approx$  1.38) and presented results through a user-friendly website.

### Pinpoint - Category Guessing Game <https://milad-mehri.github.io/pinpoint/>

*Next.js, Node.js, Tailwind CSS*

- Built and deployed a fast-paced category-guessing game with daily challenges.
- Used Next.js and Node.js for smooth gameplay and efficient backend.
- Styled with Tailwind CSS for a clean, interactive user experience.

## 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

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

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