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, Models of Computation, Software Construction, Introduction to Computer Systems, Basic Algorithms and Data Structures.
- Activities: Competitive Programming Team (ACM ICPC);

PROFESSIONAL EXPERIENCE

Software Engineer Fellow — Remote

Headstarter AI — *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

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.

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.

Schedular, Power Up Hacks Hackathon Winner https://devpost.com/software/schedular

Node.js, EJS, CSS, HTML, Express.js, Twilio, bcrypt, MongoDB

- Constructed a user-friendly web application that allows employers and applicants to efficiently schedule interviews.
- Integrated MongoDB to store information, bcrypt for login, and Twilio to send reminders.

Shift, Chat Room http://github.com/milad-mehri/shift

EJS, CSS, HTML, JS, Express.js, Node.js, MongoDB, Socket.io

- Developed a temporary chat room web application where users enter a unique 10-digit code to join a live chat room that can host an unlimited number of users, with all data cleared after 24 hours.
- Implemented Socket.io for real-time communication among users and MongoDB for data storage.

NBA Career Length Predictor http://github.com/milad-mehri/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.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, HTML, CSS, EJS
Frameworks: React, Node.js, Express.js, Next.js, Flask
Developer Tools: Git, Docker, MongoDB, Twilio, bcrypt, Socket.io, VS Code
Libraries: Discord.js, Scikit-learn, Tailwind CSS, Supabase