

Milad Mehri

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EDUCATION

University of British Columbia

Vancouver, BC | September 2023 – Present

B.Sc. Computer Science

Selected Coursework: Software Construction, Models of Computation, Computation, Programs, and Programming

Activities: Competitive Programming Team (ACM ICPC);

PERSONAL PROJECTS

UBC Talks | <https://github.com/alantensor/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**
- Authorization using **OAuth2.0 flow** with Google account
- User can **pin course** channels, **make posts**, and **upvote/downvote** posts when logged in

NBA Career Length Predictor | <http://github.com/milad-mehri/nba-career-length-predictor>

Scikit-learn, HTML, CSS, JS

- Developed a **predictive model** to estimate the **career lengths of NBA players** based on various statistics and trends.
- Gathered data, built the **model**, and presented results on a **user-friendly website**.
- Achieved **high predictive accuracy** ($MSE \approx 1.38$), significantly improving the models reliability.

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

Discord.js, Node.js, MongoDB

- Built, deployed, and managed a multiplayer economy themed application that consisted of about **200 000 users**
- Users interacted with a **discord bot** to carry out in-game transactions to try and gather as many coins as possible
- Called the Discord API using the **discord.js** module, in which I received commands from users and sent responses

Scheduler, Power Up Hacks Hackathon Winner | <https://devpost.com/software/scheduler>

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 tools like **MongoDB** to store user information, **bcrypt** for a **login system**, and **Twilio** to send reminders once an interview is booked

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 can enter a unique 10-digit code to get access to a live chat room that can host an unlimited number of users
- Wrote a script to make all messages and user information disappear after 24 hours
- Used **Socket.io** to enable communication among users, and **MongoDB** to store them

RegexTester | <https://milad-mehri.github.io/RegexTester/>

HTML, CSS, JS

- Designed and implemented a web application that helps users **visualise** and **debug regular expressions** in an easy to understand and convenient manner
- Allow users to input regular expressions as well as text, then the elements in the text that correspond to the regular expression are highlighted

Technical Skills

Languages: Python, Javascript, Typescript, EJS, CSS, HTML

Technologies: Git, React, Discord.js, Express.js, Socket.io, Twilio, bcrypt Node.js, MongoDB, Scikit-learn, Next.js, React.js, Google auth, Supabase, Tailwind CSS