

# Milad Mehri

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## EDUCATION

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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); Intramurals;

## PERSONAL PROJECTS

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**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
- 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

## PROFESSIONAL EXPERIENCE

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**Community Leader and Youth Organizer**

April 2022 – August 2023

- Planned, organized, and led educational classes at a City Community Center
- Classes consisted of approximately 30 students, ages 6 to 17

**International Baccalaureate Leader | Sir Winston Churchill Secondary School**

September 2021 – May 2023

- Planned, organised and supervised regularly occurring events for International Baccalaureate students
- Kept track of participants progress and modified the upcoming events based on the outcome to maximise the efficiency of the sessions
- Mentored students and engaged in educational meetings

## Technical Skills

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

**Technologies:** Git, React, Discord.js, Express.js, Socket.io, Twilio, bcrypt Node.js, MongoDB, Scikit-learn