Arman Moztarzadeh

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EDUCATION

University of British Columbia — Vancouver, BC
Faculty of Science - BSc Mathematics — Sep 2020 – Apr 2024
- Beedie Luminaries Scholarship Recipient
- Microsoft Learn Student Ambassador

SKILLS

- **Programming Languages**: Java, JavaScript, Python, HTML/CSS, PHP, C/C++, R
- **Tools & Frameworks**: React.js, Node.js, Express.js, JUnit, Git, MongoDB, Linux, Microsoft Azure
- **Languages**: English, Persian, French, Spanish

TECHNICAL PROJECTS

Piano Tracker {MongoDB, Express, JavaScript, HTML/CSS, React.js, Node} | Repo — July 2022
- Created database using MongoDB and a database schema (i.e., User, Piano Session) using Mongoose
- Added API endpoints to the server to handle incoming HTTP GET or POST requests for users and piano sessions
- Utilized React routers to allow change in browser URL and created React components to handle events
- Installed Axios library to send HTTP requests to the backend allowing the creation of new users and piano sessions in the database

Online Transaction Platform {JavaScript, Node.js, Socket.io, HTML/CSS} | Repo — Feb 2022
- A web application for users to process secure transactions in cryptocurrencies that won **1st** place out of **86** teams in StormHacks 2022 for category: Best Blockchain Project Using Hedera
- Spearheaded front-end design and user interaction features such as the chat function with JavaScript and HTML/CSS knowledge
- Utilized Socket IO library to connect with Hedera allowing users to communicate with buyers and sellers
- Project was displayed and shared within the StormHacks community of **500+** hackers

Task Organizer {Java, Java Swing, JSON, JUnit} | Repo — Sep 2021 – Dec 2022
- Developed functionality for a To-Do List in Java with Object-Oriented Programming knowledge such as data abstraction, inheritance, and encapsulation
- Wrote **unit tests** for task and task list functions ensuring all possible cases were covered using JUnit
- Utilized JSON for data persistence for tasks and implemented read/write operations to and from files
- Implemented GUI containing graphics, mouse click events, and text fields with Java Swing

EXPERIENCE

Data Research Analyst — May 2022 – Present
Madison's Lumber Reporter — Vancouver, BC
- Researched and updated Canadian and US solid wood and pulp & paper producer entries in the company's directory.
- Used advanced Excel functions and formulas to efficiently sort through our large database and updated more than **300+** entries on the database

Part-Time Web Developer — Jan 2022 – June 2022
3BA Printing — Vancouver, BC
- Developed a scalable online store to allow clients to contact, view products, and to access services
- Utilized external software to create a backend to store client details and used JavaScript & HTML/CSS to design an interactive user front-end
- Helped in manufacturing and designing a biotechnology product with engineers and executives to eliminate needle-stick injuries in healthcare