Avi Walia

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EDUCATION

University of Toronto — Sep. 2022 – Apr. 2026
Bachelor of Computer Science, Specialist in Data Science — *Toronto, ON*
Relevant Courses: Data Science, Software Design, Data Structures and Algorithms, Software Tools and Systems Programming, Probability and Statistics I and II, Multivariable Calculus with Proofs, Linear Algebra

University of Michigan - Coursera — July 2020 – Aug. 2020
Python 3 Programming Specialization

TECHNICAL SKILLS

Languages: Python, SQL, R, Java, JavaScript, C, HTML/CSS
Libraries/Frameworks: Pandas, NumPy, Scikit-Learn, Matplotlib, React.js, Flask, JUnit
Developer Tools: Git, Google Cloud Platform, Jupyter, Google Colab, VS Code, PyCharm, IntelliJ, Eclipse
Skills: Data Science, Software Engineering, ETL, Cloud Computing

EXPERIENCE

Full Stack Developer Co-Op — May 2023 – Aug. 2023
Third Eye Solutions Inc. — *Mississauga, ON*
- Updated their client-facing application using JavaScript, HTML, and CSS to improve user experience and add new features
- Used Oracle SQL Developer and PostgreSQL to write queries and maintain upkeep of databases
- Created e-signature application using Java Spring Boot and Apache Maven
- **Tech Stack:** Java, SQL, JavaScript, HTML/CSS, Spring Boot, Apache Maven, Jaspersoft

PROJECTS

Spotify Media Manager | *Java, Java Swing, OkHttp, OAuth 2.0* — Oct. 2023 – Dec. 2023
- Developed a Spotify spoof to allow users to control Spotify playback on any device from a central app
- Made requests to Spotify API using OkHttp and used OAuth 2.0 Authentication to sign in users

Galaxies Data Analysis | *R, Linear Regression, Hypothesis Testing* — Jan. 2023 – Apr. 2023
- Wrangled and cleaned complex astronomical datasets from Galaxy Zoo and NASA Sloan-Atlas.
- Employed advanced statistical methods, including hypothesis testing and linear regression, to conducted a statistical analysis and create visualizations to answer three research questions about galaxies

CineMatch | *Python, JavaScript, Pandas, NumPy, Scikit-Learn, Flask, React, HTML/CSS* — Jan. 2023
- Developed a Python app to recommend new movies based on a person's Netflix watch history
- Used ML libraries to calculate ranking based on cosine-similarity
- Used Flask to create an API to send information to the front-end coded with React.js

HONOURS/AWARDS

- 2023 Dean's List Scholar - University of Toronto
- Florence Louisa Cody Memorial Scholarship Winner - University of Toronto
- 2022 UofTCTF Ethical Hacking Competition - Top 10 finish

EXTRA-CURRICULARS

- UTSG Computer Science Student Union Member - University of Toronto
- Computer Science Volunteer Tutor
- Athletics - Intramural Sports Teams - Basketball and Volleyball