

# Jeffrey Chow

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## EDUCATION

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### University of British Columbia

*Bachelor of Computer Science, Integrated Computer Science*

Vancouver, BC

Sep. 2021 – Dec. 2024

### University of British Columbia

*Bachelor of Science, Biochemistry*

Vancouver, BC

Sep. 2015 – May 2020

## RELEVANT EXPERIENCE

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### Software Developer

*Peloton Technologies*

Sep. 2022 – Apr. 2023

Victoria, BC (Remote)

*Software Developer*

Jan. 2023 – Apr. 2023

- Designed, developed, and seamlessly integrated a one-time payment collection feature into the existing client platform, meeting a high-priority demand from clients and becoming a new sales emphasis for the company.

*Software Developer, Co-op*

Sep. 2022 – Dec. 2022

- Tested, implemented, and maintained robust .NET code for a high-volume payments platform, contributing to enhanced system stability and improved overall performance.
- Constructed an intuitive payment page UI using Tailwind CSS, delivering a modern look, and implementing simple customization options to allow for client white labelling.
- Practiced agile methodologies, collaborating with cross-functional teams to deliver iterative releases and ensure alignment with project goals and client requirements.

## TECHNICAL PROJECTS

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### NBA Match Predictor | *Python, PostgreSQL, SQLAlchemy, pandas, Scikit-Learn*

Jul. 2022 – Present

- Developed a command-line application that predicts NBA match winners and spreads using a logistic regression machine learning model.
- Demonstrates a prediction accuracy over 57% for spreads and over 70% for game winner.
- Constructed a web scraper to retrieve statistics from HTML files using the BeautifulSoup library.
- Created a web scraper to retrieve statistics from HTML files using the BeautifulSoup library.
- Designed a relational data model to handle the varying cardinality in historical NBA season, team, player, and game statistics

### Personal Portfolio Website | *React, Typescript, TailwindCSS*

Jun. 2023 – Present

- Desktop application for tournament organizers to track and display professional player statistics in a basic UI using JavaSwing.
- Utilized JSON for data persistence to store and retrieve player data.
- Employed test-driven design (TDD) approach by writing extensive JUnit Tests to ensure complete code coverage.

### InsightUBC | *React, Typescript, TailwindCSS*

Jan. 2023 – Apr. 2023

- Developed an application focusing on processing UBC's historical course sections and rooms and effective querying of datasets through a domain-specific language described by an EBNF.
- Implemented a simple web frontend using React, enabling end users to make REST API calls through HTTP requests to access backend services.
- Actively participating in code reviews, brainstorming sessions, and problem-solving discussions.

## TECHNICAL SKILLS

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**Languages:** Python, C#, Java, SQL (Postgre, MSSQL, SQLite), HTML, CSS, JavaScript, TypeScript, C++, C

**Frameworks:** ASP.NET MVC Framework, Entity Framework, Tailwind CSS

**Developer Tools:** Git, JetBrains IDEs, Insomnia, VS Code, Azure DevOps, Visual Studio, MATLAB

**Libraries:** React, SQLAlchemy, pandas, BeautifulSoup, Scikit-Learn, JavaSwing, JUnit