# Adrian Todd

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## EDUCATION

**University of Lethbridge, Calgary Campus, AB**                                    **2024 - Current**

*Post Diploma Bachelor of Science Computer Science, Degree in progress*
*Status: Entering program as a 3rd year B.Sc. student.  Taking evening and weekend classes.*

**Bow Valley College, Calgary, AB**                                    **2019 - 2021**

*Software Development Diploma, GPA: 3.8*
*Relevant Courses: Object Oriented Programming (C#); Data Structures and Algorithms (Java), Web Programming, Rapid Application Development, Mobile Application Development, Networking Essentials, Relational Databases, User Experience Design.*

## SKILLS

**Programming languages:** Python, C#, Java, JavaScript, TypeScript, PHP, CSS, HTML

**Databases:** MSSQL, MySQL, SQLite, NoSQL, MongoDB

**Tools and IDE:** VS Code, Eclipse, Android Studio, MS SQL Server, Postman, Git, Bitbucket, Jira, Confluence, Figma

**Technologies:** REST APIs, GraphQL, Pandas, Data Visualization (Seaborn), React, Tailwind CSS, Bootstrap, JSON

## PROFESSIONAL EXPERIENCE

**Orpyx Medical Technologies Inc., Calgary, Alberta**                          **March 2022 – October 2023**
*Junior Software Developer Research and Development*

- Developed applications using Python and C# that work with Bluetooth Low Energy hardware and data acquisition controllers.
- Automated manual processes, decreasing the time needed to calibrate Orpyx Sensory Insoles by 83%.
- Built software tools to perform data analysis and produce visualizations using NumPy, Pandas, Seaborn, and Matplotlib

## PROJECTS & EXTRACURRICULAR

**Drug Speak:**  Web application that facilitates learning pronunciation and spelling of pharmaceutical drug names for students in the Pharmacy Program, interactive flash cards, quizzes, full login/authentication system.
Languages and Frameworks:  MERN stack (MongoDB, Express.js, React, NodeJS), Google Text to Speech API

**MoneySmart:**  Personal finance desktop application with budget tracking, stock ticker, and data visualizations.
Languages and Frameworks: C#, WinForms, MS SQL Server

**Personal Website:** Modern responsive website that showcases some of my skills as a developer.
Languages and Frameworks: TypeScript, React, Next.js, Tailwind CSS

**Jason Lang Scholarship Recipient**