# Wu Xinyu

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## Education

**Computer Programming** *Sept. 2022-present*

Algonquin College, Ottawa ON

- GPA: 3.85/4

## Skills

- **Code Version Control:** Git, GitHub

- **Programming and Development:** HTML, CSS, PHP, Java, JavaScript, SQL, TypeScript, Bash

- **Software Tools:** Eclipse, Visual Studio Code, VMware, Android Studio, Adobe Creative Cloud

- **Testing:** Automated Testing, Test Infrastructure, Unit Testing, Integration Testing

- **Problem Solving and Analysis:** Bug Tracking, Issue Resolution, Technical Issue Investigation

- **Development Skills:** Object-Oriented Principles, Project Management, Server-Side and Client-Side Development, Agile Methodology, User Experience (UX), Web API Development, Mainframe Development

- **Interpersonal Skills:** Detail-oriented, Adaptability, Team Player, Self-starter, Quick Learner, Collaborative, Client-focused, Results-oriented, Time Management, Iterative Improvement, Critical Thinking, Work Ethic, Positive Attitude

## Academic Projects

**Interactive Web App Development**

- Successfully developed an interactive web application using JavaScript, TypeScript, and a database within a month.

- Formed a project team to define the application's basic functions, adhering to Agile development methodologies.

- Initiated the construction of the interactive and functional application based on the initial sketch. Subsequently improved functionality and designs after conducting internal testing.

- Conducted thorough testing of the application, addressing, and debugging any issues. Ensured compatibility and enhanced the user experience as needed.

**Building spaceships (Java)**

- Employed the SpaceshipBuilder pattern to systematically construct spaceship objects in a Java console application.

- Utilized the builder pattern to create spaceships, enhancing flexibility and readability by incorporating attributes like name, speed, and shield level.

- Implemented a fluent interface for the SpaceshipBuilder, ensuring a clean and concise step-by-step configuration of spaceship properties.

- Demonstrated the versatility and ease of use of the SpaceshipBuilder pattern by producing instances with different configurations, showcasing a significant accomplishment in design and implementation efficiency.

**Budget Tracker App Development**
- Developed a user-friendly budget tracker app using Android Studio, incorporating Java for mobile application development.
- Formed a small project team to outline key features, fostering collaboration in the development process.
- Initiated the app development based on the initial design within Android Studio, refining features post internal testing.
- Conducted comprehensive testing using Android Studio tools, addressing, and resolving any issues to ensure seamless functionality.
- Enhanced the app's user experience through iterative improvements based on user feedback, optimizing the application for Android devices.

## Working Experience

**Student Entrepreneur, Algonquin College, Ottawa, Canada**          *July. 2023 – Present*
- Spearheaded the development of our business plan, defining key activities and articulating innovative business ideas and goals through collaborative efforts.
- Played a pivotal leadership role in web and application development, bringing our vision to life by building a dynamic web application based on our design.
- Led the team in creating a functional and robust application, negotiating with members to design and implement all pages and functions.

**Waiter, Chungchun Rice Hotdog, Ottawa, Canada**          *Nov. 2022-Feb. 2023*
- Collaborated with fellow staff to serve customers in a friendly manner during rush hours, resulting in receiving lots of positive feedback
- Communicated with bosses regarding propaganda strategies, which improved the sales rate by 0.5% that month.

## Volunteer Experience

**Against Drug Abuse and illicit Trafficking Volunteer Activity**          *July.2019-Aug.2019*
- Collaborated with community leaders to schedule awareness-raising activities for combating drug abuse and illicit trafficking.
- Organized and led a team in conducting door-to-door advocacy efforts, collecting signatures from residents within the community.

## References

Contact Name: Shavit Lupo                                Contact Name: Sarfraz Fayaz Khan
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