Skylar Ji

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SKILLS

Languages: Python, HTML, CSS, JavaScript, C, Bash, Java (Processing, Groovy), SPL, Racket
Frameworks/Tools: React, Node.js, FastAPI, MariaDB, MongoDB, Git, Splunk, Jenkins, OpenShift, Figma, MS Office, Firebase

EDUCATION

Bachelor of Computer Science | University of Waterloo   September 2022 - April 2027 (Expected)
- **GPA:** 3.99/4.00 | Member of Tech+ and WiCS | Graphic Designer at Make-a-Wish Waterloo
- **Relevant Courses:** Designing Functional Programs, Elementary Algorithm Design and Data Abstraction, Tools and Techniques for Software Development

WORK EXPERIENCE

Innovation Developer | Royal Bank of Canada   July 2022 - August 2022
- Developed an internal secure URL shortener with a project team of eight under **agile sprints** using **React, FastAPI, and MariaDB**, projected to transform 85,000+ RBC employees' experiences.
- Modernized the full stacks of the URL shortener's browser extension and Slackbot with feedback from conducting seven user interviews with RBC employees.
- **Earned the Best Performing Team Award** and the **Best Creative Solutions Award** at the end of the internship.

Co-Founder and Website Developer | Waviolet   July 2020 - August 2020
- Headed five members in creating the startup, aiming to provide UV-C light products for safe sanitation during the pandemic's back-to-school season.
- Launched a company website using **HTML, CSS and JS,** designed attractive social media posts that reached 300+ followers and interviewed 15 potential customers, ensuing 11 interested buyers **valued at $7000**.
- Pitched and achieved the **Biggest Dreamers Award** in BETA Camp, an entrepreneurship program.

PROJECTS

Cute Christmas Countdown | GitHub Link   December 2022 - January 2023
- Engineered the extension's styling, colour design and UX/UI using **React** and **Figma** to create an easy-to-use and attractive platform for everyone, including **five active users.**
- Streamlined the extension using two npm modules to strengthen the countdown's maintainability.

Mr. Tortoise (Battlesnake) | GitHub Link   July 2022 - August 2022
- Developed a functional battlesnake to compete in the autonomous survival game, claiming a **top-10 finish.**
- Programmed and debugged various algorithms to increase the battlesnake's win rate by 80% when finding food and avoiding other snakes using arrays and dictionaries in **Python.**

Animal Genie (Animal Guessing Game) | GitHub Link   September 2021 - January 2022
- Collaborated with two students to build the application and user manual, attaining **30+ users.**
- Directed and programmed the application's backend and graphical user interface using **Java,** using an algorithm to isolate one out of 25+ possible questions for the application to ask the user each time.

AWARDS & ACTIVITIES

Certifications & Awards:
- Containers & Kubernetes Essentials (IBM - 2023)
- Jenkins, Web APIs and SQL (LinkedIn - 2023)
- REDD Teamwork Award (RBC - 2022)
- Joseph H. Lang Scholarship (Academics - 2022)
- Principal's Leadership Award (2022)
- BETA Camp Valedictorian (2020)

Activities:
- Founder | United Under Arts Waterloo
- Opportunities Executive | SVP Teens Waterloo
- Participant | SHAD 2021
- Participant | RBC Summer Tech Labs | **1.75%** acceptance rate
- **500+** volunteer hours | LinkedIn Content Creator