Arthur Hu
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https://artyhu.github.io

Education

Queen's University   Kingston, ON
Bachelor of Computing (Honours)   Sept 2019 - Present
- 4th year of study (Transfer from BSCH-Chemistry)   Expected graduation: December 2024

Projects

Monte Carlo Simulation Revenue Forecaster   Jan 2024 – April 2024
- Created a program using Python that can forecast revenue for a client working at a non-profit.
- Application outputs the predicted total revenue, the margin of error, coefficient of variability, and two separate graphs.
- Refined skills and experience programming using Pandas, Numpy, and integrating Monte Carlo Sim.

Task Management App   Sept 2023 – Dec 2023
- Created an app utilizing Python, HTML, CSS, as well as SQL for database integration.
- The app has user registration, login, and logout functionality, and has CRUD implementation for tasks and projects saved to a database.
- Integrated unit test cases using Python.

Interactive Restaurant Database Website   Jan 2023 – April 2023
- Tasked with creating a restaurant employee application that can find employee schedules and create new customer accounts in an integrated database.
- Improved skills and experience by database development.

Soul Reforged (Game) – C#/Unity   Jan 2023 – April 2023
- Committed to designing a fully playable 2.5D top-down wave survival game where the player must defeat AI monsters.
- Enhanced skills and experience by developing full playable games.

Technical Skills

- **Languages:** Python, C, C#, SQL, Java, JavaScript, Bash, HTML/CSS
- **Frameworks & Libraries:** Bootstrap, Pandas, Numpy
- **Development Tools:** MySQL, Git, Unity, XAMPP

Volunteer Experience

Sponsorship Chair - Queen's University Computing Orientation   March 2023 – Dec 2023
- Organized & hosted various orientation activities for 300 incoming students and 60 student leaders in a team of nine.
- Managed outreach for sponsorships to increase funds for Computing Orientation.

Marketing Coordinator - Queen's Computing Student Government   Sept 2023 – April 2024
- Played a key role in community outreach, as well as facilitating merchandise to raise funds.

Events Consultant - Queen's Computing Student Government   May 2023 – Jan 2024
- Trained and supported new volunteers on how to coordinate university sanctioned events.

Events Coordinator - Queen's Computing Student Government   Sept 2022 – April 2023
- Assisted in the planning and execution of student government events, leading to an increased amount of student engagement from previous years.

Student Leader - Queen's University Orientation   Sept 2020 & Sept 2022
- Fostered a community among 30 university students and led orientation activities.
- Coordinated logistics for various events, including workshops, campus tours, and social gatherings.