

## Nathaniel Huang

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## EDUCATION

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### University of Toronto

*B.Comm Specialist in Finance and Economics, Minor in Computer Science*

## EXPERIENCE

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### The Commons XR

*Web Analyst & Development, Aug 2023*

- Full stack web development using JS, React, HTML, CSS, and Python.
- Orchestrated data communication and interaction by integrating APIs from Azure Cloud, ensuring seamless user experience and data flow.
- Leveraged MUI framework to craft visually appealing and responsive components.
- Documented React components and JavaScript functions for streamlined development.
- Analyzed target demographics and discussed with the UI/UX team to integrate targeted designs.

### BlueForce

*Co-Founder, Aug 2020- Aug 2021*

- Designed and developed software which involved tracking the direction and distance that the vehicle drove.
- Presented for multiple university-based start-up incubators and accelerators.
- Raised \$20,000 in early development.
- Researched the technical and financial viability of the product.
- Worked with Takumi Tech to design and develop an early prototype.

## COURSEWORK

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### Application of Machine Learning in Finance

2022

- Utilized Keras and Tensorflow to analyse multiple datasets.
- Studied both supervised and unsupervised learning with a focus on Neural Networks, regression models, and k-means clustering.

### Software Design

2022

- Developed a project with a large group of teammates using clean architecture guidelines
- Learned about multiple different methods to effectively abstract a program.
- Developed easily reusable code, specifically designing backend code that could be attached to multiple different GUIs

## PROJECTS

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### “Not Flappy Bird” 2022

- Developed the full application including a menu, user login system, GUI, and scoreboard system using Java.
- Led project management in a team of 7 developers.
- Personally developed the login, data transfer, and persistence systems.

### “Hospital Waitlist” 2022

- Developed in Kotlin
- Utilized Google Maps API and Places SDK to develop a ‘closest hospital’ destination system

## SKILLS

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- Python, Keras, Tensorflow, Java, JavaFX, Javax Sound, JUnit, HTML, CSS, NodeJS, React, SQL, Microsoft Office, Financial Analysis