

# Frank Yu

<http://frank-yu.live/> | [f48yu@uwaterloo.ca](mailto:f48yu@uwaterloo.ca) | 647 637 9526

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## SKILLS

### Languages

JavaScript • TypeScript • C++ • C# • Python • Java • Ruby

### Technologies

Node • Gatsby • Next • SQL • GraphQL • React • Unity Engine • Vue • .NET

### Tools

AWS • Azure • Cypress • Docker • MongoDB • Apollo • Docker • Jira • Asana

## EXPERIENCE

### BLACK HAWK DIGITAL | FULLSTACK DEVELOPER

Toronto, ON | Jan '22 – May '22

- Created eCommerce **Web Applications** for various online markets
- Developed **API endpoints** used to **filter** and **fetch product data**
- Wrote **Unit Testing** script for frontend and backend components to be performed using Cypress

### ACEAGE | QA TESTING ASSOCIATE

Burlington, ON | Apr '21 – Aug '21

- Setup and configure **test suites** and run **test cycles** on both software and hardware components
- Manage **cloud infrastructure** and deployments using **Jenkins**
- Create, organize, and run automated and manual test suites using **Java** and **SQL**
- Manage individual project priorities, deadlines, and deliverables

### HACK THE HAMMER | 1<sup>st</sup> PLACE IN CATEGORY

Hamilton, ON | Dec '19

- Created a side scrolling rhythm game using **Unity2D**
- Wrote code to **analyze audio data** mapping specific rhythm to game events
- Placed 1<sup>st</sup> in the Games category against **over 200 participants**

### ENVIROHACKS | 1<sup>st</sup> PLACE

Hamilton, ON | Apr '19

- Created an app using **React Native** made to navigate users safely away from natural disaster zones
- Awarded 1<sup>st</sup> place competing against 20 other group of developers

### NASA SPACEAPPS | Top 10

Hamilton, ON | Apr '19

- Developed a Web Application using **Next.JS** tracking the status of algae growth in water bodies
- Data fetched from Nasa APIs and analyzed using **MongoDB** and **JavaScript**
- Competed against over **50 groups** placing **8<sup>th</sup> overall**

## PROJECTS

### THC Canada Store Site

<https://thccanada.ca>

- Official store eCommerce web application built using **GatsbyJS**
- Store menus utilize **Apollo CLI** and **GraphQL** for data fetching and Dutchie API for payment processing

### Knight's Vow

<https://github.com/frankyu02/Knight-s-Vow>

- 2D automatic side-scrolling bullet-hell style game developed using **Unity Game Engine**
- Beta version of the Game reached over **1200+ downloads**

### OPTC-DB

<https://optc-db.github.io>

- Online **Database** created by various community members of the mobile game OPTC
- Contributing to implement new **data filter queries** and **database optimizations**

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## EDUCATION

**University of Waterloo** | Bachelor of Computer Science

President's Scholarship of Distinction • Faculty of Mathematics Entrance Scholarship