

# Ethan Huang

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## EDUCATION

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### Bachelor of Science, Computer Science

University of Calgary

Sept 2019 - Ongoing

Calgary, Alberta

- ❖ **Relevant Coursework:** Intro to Computability, Data Structures, Algorithms, Software Engineering, Intro to Computer Graphics, Artificial Intelligence, Computer Networks, Discrete Mathematics, Programming Paradigms, Database Management Systems, Operating Systems, Design & Analysis of Algorithms

## ACADEMIC PROJECTS

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### [COMPUTER SCIENCE 471]

May 2022

- ❖ Comic Hosting Website
- ❖ Worked in a group of three to create a SQL Database and a local HTML site that utilizes an API to communicate back and forth.
- ❖ Implemented a sign-in system, CSS style-sheets, SQL tables, and various API functions.

### [HACKATHON 2022: BEGINNER'S STREAM]

Mar. 2022

- ❖ 3D Puzzle Platformer
- ❖ Worked in a group of four and created a game utilizing the Unity Engine within a day, with all members having little to no prior experience with the engine.

### [COMPUTER SCIENCE 359]

May 2021

- ❖ Frogger Game
- ❖ Worked individually to create a game of Frogger in C, through a Raspberry Pi with a SNES controller.
- ❖ Implemented concurrency, GUI, collisions, etc.

### [SOFTWARE ENGINEERING 300]

Apr. 2021

- ❖ Self Checkout System
- ❖ Collaborated with a group of 3, 6, and 15 to create a graphical user interface and back-end interactions between preset classes in Java.

## SKILLS

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### ❖ Technical Skills:

- **Programming languages:** C++, Java, C, Python, SQL, Haskell, Prolog
- **Technologies:** Git
- **Knowledge:** Algorithms, Data Structures, Object-Oriented Programming, Concurrency, Databases, Network Security, JUnit
- **Other:** Linux, HTML, CSS

## AWARDS

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- ❖ Hack Your Learning Hackathon 2022: 1st Place Beginners Stream (2022)
- ❖ Alexander Rutherford Scholarship (2019)
- ❖ Diefenbaker Honor Roll (2017-2019)