

# Ethan Huang

<https://ethan-huang21.github.io/> | [ethan.huang@ucalgary.ca](mailto:ethan.huang@ucalgary.ca) | [linkedin.com/in/ethHcpse](https://www.linkedin.com/in/ethHcpse) | [github.com/Ethan-Huang21](https://github.com/Ethan-Huang21)

## EDUCATION

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### Bachelor of Science, Computer Science

University of Calgary

Sept 2019 - Ongoing

Calgary, Alberta

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

## PROJECTS

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### [PERSONAL – Autocotrans]

Apr. 2024

- ❖ Python script designed to automate file-upload and download via web-scraping
- ❖ Bootstraps an existing translation web-application called Cotrans and simplifies the workflow of mass file-uploads

### [COMPUTER SCIENCE 559 – YouChat]

Apr. 2024

- ❖ Distributed Chat Application
- ❖ Collaborated in a group of 5 to create a fault tolerant and synchronous chat application, using React, NodeJS, and Pocketbase extended with Go
- ❖ Implemented React components like the UI and Drop-down menu on the frontend, and worked to implement goroutines, websockets, and communication with Pocketbase on the backend.

### [COMPUTER SCIENCE 471 – Pilot Comics]

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 – Python Basics]

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.

## SKILLS

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### ❖ Technical Skills:

- **Programming languages:** C++, Java, 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)