

# Amy Hu

1B Computer Engineering

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trotly.xyz

trotly15

## SKILLS

Languages	Java, C/C++, Python, HTML, CSS, JavaScript, Haskell
Frameworks	jQuery, TensorFlow, Swing, Hexo
Others	3D Modeling, Live2D Modeling
Prototyping	STM32 Nucleo, Arduino
Tools	Git, GitHub, $\text{\LaTeX}$ , Blender, Nomad Sculpt, Live2D Cubism, Excel

## EXPERIENCE

Jun 2020

Feb 2020

Curriculum Developer Intern, RICHMOND HILL, HATCH CODING

- > Developed games to teach kids coding.
- > Completed several projects either by myself or collaborated with other colleagues.
- > Used JavaScript and/or Python for each project.
- > Wrote descriptions and explanations on how and why the programs work a certain way.

Python

JavaScript

## PROJECTS

Find more projects at: [trotly.xyz/projects](https://trotly.xyz/projects)

### PERSONAL WEBSITE AND BLOG

FEB 2020 - PRESENT

[github.com/trotly15/trotly-home](https://github.com/trotly15/trotly-home) [trotly.xyz](https://trotly.xyz) [blog.trotly.xyz](https://blog.trotly.xyz)

- Self taught HTML and CSS to create the website which includes my past projects and informations about myself.
- The blog is based on the Hexo framework and I add custom designs using JavaScript and CSS.

HTML

CSS

JavaScript

Hexo

### THE MADHOUSE ADVENTURE GAME

DEC 2019 - JAN 2020

[github.com/trotly15/themadhouse](https://github.com/trotly15/themadhouse)

- An adventure game written in Java.
- Designed, coded, and drew the illustrations of the game all by myself.

Java

Swing

### SIMPLE IMAGE CLASSIFIER

JAN 2022

[github.com/trotly15/computer-vision-bootcamp](https://github.com/trotly15/computer-vision-bootcamp)

- Implemented a python program that can classify an image within 10 different classes (dog, cat, airplane, truck, etc.)
- Successfully improved the accuracy to 75%.

Python

TensorFlow

### LOCAL AREA NETWORK CHATTING PROGRAM

DEC 2020

[github.com/trotly15/chatclient](https://github.com/trotly15/chatclient)

- Built the client side of the local network chatting program.
- Users can see a list of users online, talk to all of them, and send private messages to individuals.

Java

Java Socket

Swing

## EDUCATION

Apr 2026

Sep 2021

University of Waterloo, 1B COMPUTER ENGINEERING, Candidate of Bachelors of Applied Science

Relevant Courses : Fundamentals of Programming, Electricity and Magnetism, Digital Circuits and Systems, Linear Circuits, Discrete Math and Logic 1