

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
Modeling	3D Modeling, Live2D Modeling
Prototyping	STM32 Nucleo, Arduino
Tools	Git, GitHub, \LaTeX , Blender, Nomad Sculpt, Live2D Cubism, Excel

EXPERIENCE

Feb 2020	Curriculum Developer Intern, RICHMOND HILL, HATCH CODING <ul style="list-style-type: none">> Developed games using JavaScript and Python to teach kids coding.> Authored curriculum material on programming fundamentals. <div>Python</div> <div>JavaScript</div>
Jun 2020	

PROJECTS

Find more projects at : trotly.xyz/projects

PERSONAL WEBSITE AND BLOG

FEB 2020 - PRESENT

github.com/trotly15/trotly-home trotly.xyz blog.trotly.xyz

- Self taught HTML and CSS to create the website which includes my past projects and information about myself.
- Designed and developed custom components using Hexo, JS, and CSS for the blog pages.

HTML

CSS

JavaScript

Hexo

SIMPLE IMAGE CLASSIFIER

JAN 2022

github.com/trotly15/computer-vision-bootcamp

- Implemented a program to classify images using a deep neural network in Python to identify 10 different types of object classes.
- Optimized the accuracy of the model using 2D Convolution and Max Pooling operations.

Python

TensorFlow

LOCAL AREA NETWORK CHATTING PROGRAM

DEC 2020

github.com/trotly15/chatclient

- Built client application using Java sockets to allow users to connect to the LAN chatting program.
- Developed desktop application in Java to view and speak to all users as well as send private messages.

Java

Java Socket

Swing

THE MADHOUSE ADVENTURE GAME

DEC 2019 - JAN 2020

github.com/trotly15/themadhouse

- Create graphical interface for adventure game using Swing and developed game logic using Java.
- Using PhotoShop to create a visually appealing game design.

Java

Swing

ACHIEVEMENTS

CAYLEY AND GALOIS COMC **Honour Roll** and invited to the Canadian Mathematical Society (CMS) Math Camp
Performance with Distinction with percentile of 92.61%

EDUCATION

2021 - 2026 **University of Waterloo**, 1B Computer Engineering, Candidate of BAsC