

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.
Jun 2020	

Python

JavaScript

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 to 75%.

Python

TensorFlow

MUSIC PLAYER PROGRAM

DEC 2020 - JAN 2021

github.com/trotly15/dubertunes

-Developed a local music player that can transfer files between LAN application clients using Java.
-Added functions of add/remove music, sort music by date/alphabet, and floating window GUI using Java OOPs concepts and Swing.

Java

Java Socket

Swing

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

-Created graphical interface for adventure game using Swing and developed game logic using Java.
-Used 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%
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EDUCATION

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