

Randy Huynh

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LinkedIn: <https://www.linkedin.com/in/Randy-Huynh1/>

Github: <https://github.com/artmedia1>

Portfolio: <https://artmedia1.github.io/Personal-Site/>

Education

York University

Bachelor of Engineering in Computer Engineering

Toronto, ON

Aug. 2018 – June 2024

Seneca College

Ontario College Advanced Diploma in Industrial Design

Toronto, ON

Aug. 2015 – May 2018

Relevant Courses

Software

- Computer Vision, Machine Learning and Pattern Recognition, Fundamentals of Data Structures, Software Design, Software Engineering Requirements, Software Engineering Testing, Introduction to Database Systems, Operating Systems, Advanced Object-Oriented Programming

Hardware

- Digital Logic Design, Embedded Systems, Digital Systems Engineering, Computer Architecture, Computer Organization, Digital Communication

Experience

Computer Support Assistant

York University

Apr. 2019 – Present

Toronto, ON

Server

Mandarin Restaurant

2015 – 2018

Toronto, ON

CNC Operator

Holman Exhibits

2015

Toronto, ON

Projects

Personal Discord Bot – Work in Progress / Java

Feb 2023 – Current

- Discord chatbot with currently 8 features that acts to centralize different features and websites onto a discord server. Created with **Java** and **APIs** from Google, Twitter, Reddit and other.
- Implemented **Command behavioral pattern** to make addition classes easier to implement

Movie Rental Service / Java

November 2021 - December 2021

- Developed a GUI based app using Java's Swing Libraries
- Managed and updated the database for new account registrations and movie orders

Keep Talking and Nobody Explodes / System Verilog

April 2022 - April 2022

- Implemented various mini-games including games such as Simon, Whack-A-Mole, and Cyclone on a FPGA

Personal Website – Work in Progress / HTML5, CSS, Bootstrap

January 2023 - Current

- Created a web portfolio using HTML5, CSS, and Bootstrap to create a responsive design

Automated Startup Script / Python, Selenium

June 2022

- Developed an **automated script** that and sped up login procedure by 75%

Image Stitching / Python

November 2022

- Implemented a RANSAC-based image algorithm and stitched two images together

Image Size Reduction with Seam Carving / Python

October 2022

- Implemented a seam carving algorithm reduce the size of an image

Technical Skills

Languages: Java, Python, C, SQL, Kotlin, Javascript, HTML5, CSS, System Verilog, Verilog

Frameworks: Junit, Bootstrap

Developer Tools: Git, VS Code, Jupyter Notebooks, TensorFlow, IntelliJ, Eclipse, Android Studio

Libraries: Pandas, NumPy, Matplotlib