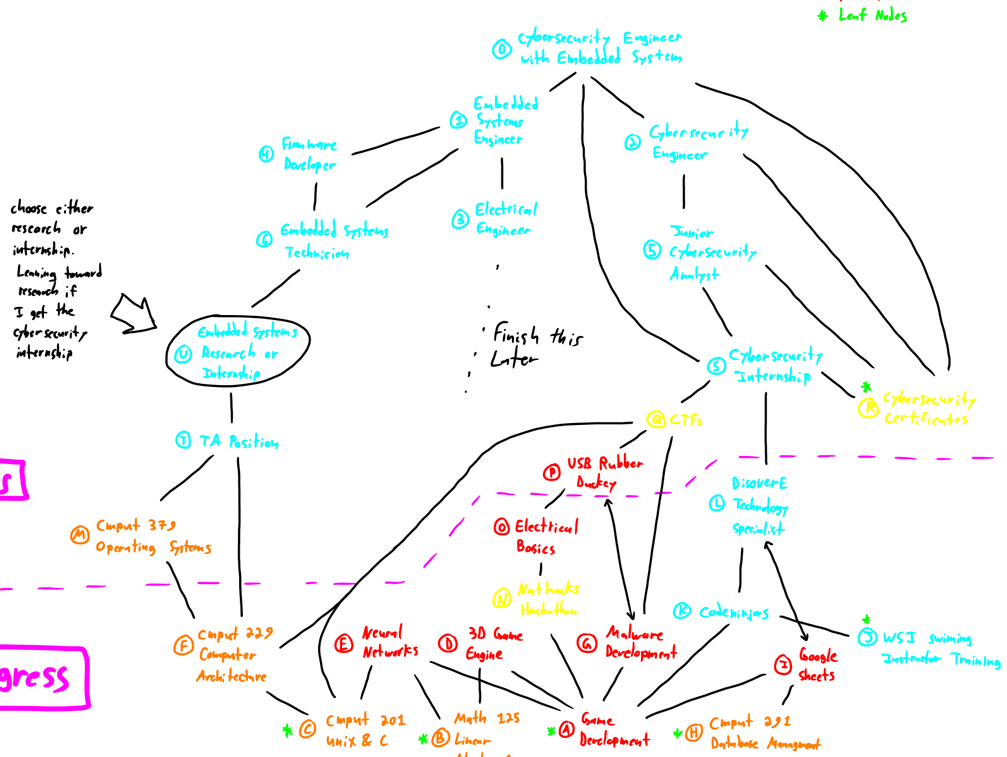
- Job position
- Educational skills
- certifications/Events
- Personal Achievements
* Leaf Nodes



TO DO

3 Find out what to do with Cmput 340 and the course after it (maybe connect this to here)
4 Find the next step after Electronic Basics
5 Find the connection from ↓ to Electrical Engineer
Find the connection from TA position to Firmware Engineer
6 and connect this ↓ to it
8 Figure out what to do with operating systems after 379

T TA Position:

S Cybersecurity Internship:
- investigating cybersecurity incidents
- network security monitoring
- scripting & Automation of tasks

K Cybersecurity Certificates:

Q CTFs:
- [Fill this after completing a few]

P USB Rubber Ducky:
- Oscilloscope
- Arduino nano, c++
- USB protocol
- Windows Powershell
- 3D printing

O Electrical Basics:
- Resistance, Voltage, current
- Basic Logic Gates
- PCB Design
- Soldering

N Nathacks Hackathon:
- Intro to Arduinos
- Muscle movement detection hardware/software
- Noise reduction Software
- C++, Arduino IDE, python
- Basic Game design
- Threading in python

M Cmput 379 Operating Systems:
- [Fill this after taking the class]

L DiscoverE Technology Specialist (Co-op):
- Google sheets/forms
- Javascript, Appscript, Python, SQL, HTML, Block Coding
- Employee Sign in/out system, Materials Inventory System
- Lego Robotics
- Tech support
- 3D Printing, Laser cutting

K Codeninjas:
- Javascript, Block coding, python, Unity
- Scratch, Makecode Arcade, Lego robotics
- Teaching & classroom Management

J WSI Swiming Instructor Training:
- Teaching Swimming
- Confidence and Communication skills to talk to and teach children

T Google sheets:
- Budget Tracker, Todo List
- Inventory Management System
- Appscript, Javascript, HTML
- Sheet Formulas

H Cmput 291 Database Managment:
- SQL, MongoDB, python
- Database Management
- Queries

G Malware Development:
- key Loggers
- Papillon
- Trogans
- c#

F Cmput 229 Computer Architecture:
- RISC-V Assembly
- Computer Architecture: CPU, Memory, Logic gates
- Floating Point Arithmetic

E Neural Networks:
- Processing IDE, Javascript, C, c++
- XOR Problem
- Genetic Algorithms
- Back propagation
- Basic Game design as a training grounds

D 3D Game Engine:
- Javascript Canvas API
- Self made matrix & vector math libraries
- Orthogonal/perspective Projection

C Cmput 201 Unix & C:
- unix & Ubuntu Linux
- C & c++
- Make files

B Math 125 Linear Algebra 1:
- Matricies & vectors
- RREF
- Orthogonal Projection

A Game Development:
- Javascript Canvas API
- Processing IDE
- OOP
- Basics of Programming
- HTML
- Sprite design/art
- Sound integration libraries

1 Embedded Systems Engineer:
- connection between hardware & software
- microcontrollers, microprocessors, registers, uart
- C, c++, assembly
- efficient/optimized with limited resources

2 Cybersecurity Engineer:
- designing secure systems
- hardware & software solutions like: Firewalls, intrusion detections, antimalware

3 Electrical Engineer:
- Hardware design
- circuit design
- PCB layout/design
- Microcontrollers & Processors

4 Firmware Developer:
- Design firmware Architecture for specific hardware platforms
- C, C++, Assembly
- Develop drivers & interfaces to enable communication between hardware and software

5 Junior Cybersecurity Analyst: