**Programming Languages**

* Java
  + Courses
    - Computer Architecture
    - CS2
    - OOP
    - POOP
    - Enterprise Computing
    - Operating Systems
    - Senior Design
  + Projects
    - Escape Room
    - Pet Connect
    - Asteriods ?
    - Enterprise Computing Final?
      * E Store
      * SQL Queue
      * SQL Web App
* Python
  + Courses
    - Robotic Systems
    - Senior Design
    - Codecadmy
  + Projects
    - Pet Connect
    - Budget GUI
    - Where’s Waldo ?
    - Template Matching ?
* C
  + Courses
    - CS1
    - Computer Organization
    - Embedded Systems
    - Eng Analysis and Computation
  + Projects
    - Multi-Function LED Display
    - Embedded Lab Final?
* C++
  + Courses
    - Operating Systems
    - Codecademy
  + Projects
    - OS Assignments?
* SQL
  + Courses
    - Database Systems
    - Enterprise Computing
  + Projects
    - GroupBuy
    - SQL GUI / SQL Web App
* JavaScript
  + Courses
    - Database Systems
    - Codecademy
  + Projects
    - Group Buy
    - Portfolio Web App
* HTML
  + Courses
    - Database Systems
  + Projects
    - GroupBuy
    - Portfolio Web App?
* CSS
  + Courses
    - Database Systems
    - Codecademy
  + Projects
    - Portfolio Web App
* Haskell
  + Courses
    - Programming Languages
* Erlang
  + Courses
    - Programming Languages
* MIPS Assembly Language
  + Courses
    - Computer Organization
  + Projects
    - Projects?

**IDEs**

* Code Composer Studio
  + Courses
    - Embedded Systems
    - Eng Analysis Comp
  + Projects
    - Multi-Function LED Display
* Android Studio
  + Courses
    - POOP
    - Senior Design
  + Projects
    - Escape Room
    - Pet Connect
* PyCharm
  + Courses
    - Robotic Systems
  + Projects
    - Budget GUI
* Atom
  + Courses
    - CS1
    - CS2
    - Enterprise Computing
    - Database Systems
  + Projects
* Visual Studio Code
  + Courses
    - Senior Design
    - Operating Systems
  + Projects
    - Pet Connect
    - Portfolio Web App
* Eclipse
  + Courses
    - OOP
  + Projects
    - Asteroids?
* Google Colab
  + Course
    - Robotic Systems
  + Projects
    - Where’s Waldo?
    - Template Matching?

**Libraries/Frameworks**

* React
  + Courses
    - Codecademy
  + Projects
    - Codecademy Projects
    - Portfolio Web App
* Tkinter
  + Courses
  + Projects
    - Budget GUI
* Java Swing
  + Courses
    - Enterprise Computing
  + Projects
    - SQL GUI
    - E Store
* OpenCV
  + Course
    - Robotic Systems
  + Projects
    - Where’s Waldo?
    - Template Matching?
* Openpyxl
  + Courses
  + Projects
    - BudgetGUI
* Apache Tomcat
  + Courses
    - Enterprise Computing
  + Projects
    - SQL Web App Java Servlet
* AMMPS
  + Courses
    - Database Systems
  + Projects
    - Group Buy

**Databases**

* MySQL Workbench
  + Courses
    - Enterprise Computing
    - Database Systems
  + Projects
    - Group Buy
    - SQL GUI
    - SQL Web App
* Google Firebase
  + Courses
    - Senior Design
  + Projects
    - Pet Connect

**Hardware Programming**

* Raspberry Pi
  + Courses
    - Senior Design
  + Projects
    - PetConnect
* Boe-Bot
  + Courses
    - Intro to Engineering
    - Robotic Systems
  + Projeccts
    - Door Closer
* MSP EXP G2 and FR6989
  + Courses
    - Embedded Systems
    - Senior Design
    - Engineering Analysis and Computation
    - Computer Organization
  + Projects
    - Multi Function LED Display
    - Embedded Lab Final
    - Pet Connect
* FPGA Basys Board
  + Courses
    - Digital Systems

**Circuit Simulation**

* Multisim
  + Courses
    - Electronics 1
    - Linear Circuits 2
  + Projects
    - Labs
* Xillinix
  + Courses
    - Digital Systems
  + Projects
    - Lab
* Breadboard
  + Courses
    - Electronics 1
    - Linear Circuits 2
  + Projects
    - Multi Function LEDs
    - Labs

**Other**

* Github
  + Courses
    - POOP
    - Enterprise Computing
    - Senior Design?
  + Projects
    - Group Buy
    - Escape Room
    - Personal Projects
* Microsoft Office
  + Projects Budget GUI