Dakota Gullicksen Programming Journey/Projects

### My Notes

#### Java

* <https://docs.google.com/document/d/1q_E3K0I7SPeOrcmvtEh5bS4fugjPSgcv7BbLuJgt52A/edit#heading=h.8gym76svpv77>
* <https://docs.google.com/spreadsheets/d/1zMbs6SZwbISabrttUxQmY3-F0y8ZG2zk9rUiqcfLOrs/edit#gid=0>
* <https://docs.google.com/document/d/1J2HdSPeJCpTvPmas4nmOwqk1-Vt02SKYIRh7hYUOvvE/edit#heading=h.10t8lktc2js0>

#### Python

* <https://docs.google.com/document/d/10-j5xDF19MPH5hQ-eHR9i2blcN0W8u4fsZU1cvUIe-E/edit#heading=h.ntft3m94i3f3>

#### C++

* Notebook

#### HTML

* Notebook

#### CSS

* Notebook

#### Javascript

* <https://docs.google.com/document/d/12rzyxL80dMDy_LqBq11evE0_YehgMCtFEb0IAb4YpHY/edit#heading=h.ts7c3ttyska6>

### I want to Learn

* React
* C#
* AI/Neural Networking
* MatLab
* Node JS

### Languages I know

#### A Little

#### Somewhat

* Java
* C++
* Python
* CSS
* HTML
* Javascript

#### Very Well

### Project Ideas

#### Easy

* Budging application
* Password generator
* Tic Tac Toe console
* Basic Website
* Blog
* Web Scraping
* Choose your own adventure game
* Social Media apps

#### Medium

* Simple 2D games: Tetris, brick breaker, Galaga, pong
* Raspberry Pi Arcade
* Sudoku Solver
* Algorithm visualizer
* Scheduler/Agenda

#### Hard

* Game Engine/Physics Engine
* Create your own programming language
* Programming language interpreter
* Machine learning
* Robotics
* Raspberry Pi security system
* Own web service

### Projects Started

* 2D side scroller Game (Java) Started May of 2022
* Text adventure RPG (Java)
* Networking Game Website (Javascript, HTML, CSS) January 2023

### Projects Completed

* Random Movie Picker console (C++) December 2021
* Calculator with Changing colors (Java) April 2022
* Random Movie Picker JavaFX (Java) July 2022

### Sources

* <https://www.youtube.com/watch?v=HvjYxuU6LHk>
* <https://docs.google.com/document/d/1t6PYtN7M_AAb0hXruupdoIhgXmYlPRYqsGsOqtpnXi4/edit>
* <https://www.youtube.com/watch?v=oC483DTjRXU>
* <https://www.youtube.com/playlist?list=PLZPZq0r_RZOMRMjHB_IEBjOW_ufr00yG1>