Below is a list of the projects currently in Derek Chan’s Portfolio github.

1. Algol Compiler Project: contains the symbol table, lexer, and parser of a Simple Algol Compiler written in Java using NetBeans
2. Candyland Project: console application of Candyland written in Java using NetBeans
3. HashTable Manipulation Project: console application showing data manipulation with data stored in a HashTable written in C++ using Visual Studio
4. Matrix Calculator Project: console application of a matrix calculator written in C++
5. MIPS Final Project: Three Stage Pipeline Design for MIPS Integer Unit using Logicworks Digital Logic Design software
6. PlayerDatabase Project: console application simulating a player database manipulation written in C++ using Visual Studio
7. Puzzles Project: console application with simple interface for a Monogram and Minesweeper game written in C++ using Visual Studio
8. Reminder/Calendar Project: console application for a reminder program that reminds user of today’s events. Can also add, edit, and delete events. Written in C++ using Visual Studio
9. UNIX Shell Program: Minimal Simulation of a Linux Shell written in C using three step process of read, tokenize, and execute