

COLIN CANNELL

Seeking an Internship for Summer 2024

 colin-cannell

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PROJECTS

Facial Recognition Attendance System

Github

- Uses **Java** to access a connected camera then uses **OpenCV image processing** to scan the environment for faces
- Processes each face using a custom trained **neural network** built using **TensorFlow** to mark attendance accordingly

Python

Java

Machine Learning

Image Processing

Super Auto Pets AI

Github

- Video game AI
- Uses **OpenCV** image processing to search the screen for game components
- Uses **PyTorch neural networks** to learn how to play the game through reinforcement learning

Python

Data Science

Machine Learning

Image Processing

AI Decision Making

Workout App

Github

- Creates custom workout for each muscle group
- Allows for integration with any calendar system

Python

Javascript

HTML

CSS

Path Planning Programs

- Worked on and completed **Georgia Tech Graduate School** problems with my teacher in high school
- Created various programs in high school that involved **path planning**
- Used **statistics** and **problem solving** to find the location of the destination then find the path to it through space

Python

Path Planning

Computer Vision

Depth First Search

Particle Filtering

Greedy Algorithm

EDUCATION

Rochester Institute of Technology

BS in Computer Science

Boston College High School

High School Diploma

SKILLS

Languages

Python

Javascript

HTML

CSS

Java

C

C++

EXPERIENCE

Norwell Recreations Summer Camp

Counselor

 2021-2023

Led my own group through daily activities and worked alongside other counselors to plan out the activities and coordinate the day

Big Y Grocery Store

Cashier

 2020-2021

Learned valuable customer service, team building, task management, and work place etiquette skills