




ISAAC INGRAM

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OBJECTIVE

To find a summer and fall co-op/internship in embedded development.

EDUCATION

BS Computer Science | [Rochester Institute of Technology](#)

 August 2022 - May 2026

 Rochester, New York

GPA: 3.29 | Coursework in Mechanics of Programming, Statistics, Discrete Mathematics, and Differential Equations.

PROJECTS

SproutChaperone |  [IsaacIngram/SproutChaperone](#)

- Display the current moisture level of plants on an adjacent LCD
- Report data to a remote server for long-term logging
- Display data through an intuitive DataDog dashboard

C++

Arduino

DataDog

TruckFood |  [IsaacIngram/TruckFood](#)

- Webscrape information on local food trucks from RIT's website
- Send that information to Slack through the Slack API

Python

Selenium

Docker

Rapid React Robot

 [CommandoRobotics/FRC_Rapid_React_2022](#)

- FIRST Robotics Competition robot awarded the **Innovation in Control Award**
- Utilize computer vision for localization and automated targeting using computed projectile mechanics
- Use complex control algorithms to ensure accurate path following and safe control of other mechanical systems

Java

Arduino

Computer Vision

PID

Feedforward

WORK EXPERIENCE

Barista | [Starbucks Coffee Company](#)  Feb 2021 - Present

- Craft quality beverages quickly under high demand
- Work with a team to ensure speed and accuracy
- Interact with customers to create a positive experience

Leadership

Teamwork

Professional Communication

LANGUAGES

C

 Java

 Python

C++

TECHNOLOGIES

VSCode

JetBrains IDEs

Git

GitHub

Slack

Trello

Arduino

Raspberry Pi

 MacOS


 Windows

 Linux


ACTIVITIES

Computer Science House

 [csh.rit.edu](#)

- 3D Administrator  January 2023 - Present

Manage and repair 3D printers to ensure their continued operation. Assist other members in designing, slicing, and manufacturing 3D printed parts.


- Member  August 2022 - Present
- Living-learning community focused on sharing technical skills and knowledge.

FIRST Robotics

 [firstinspires.org](#)

- Team Captain  September 2021 - March 2022

Responsible for organizing and leading the team. Scheduled and ran meetings, advised the team, and ensured everything came together in a timely manner.

- Lead Programmer  September 2020 - March 2022

Wrote a majority of the robot code and managed contributions from other team members. Taught new students how to code and collaborate effectively. Came up with complex software solutions to assist drivers and enhance mechanical systems.