

Ayush Goel

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OBJECTIVE

Seeking a co-op / internship opportunity in Summer 2020 / Spring 2021.

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY

B.S. IN COMPUTER SCIENCE

B.S. IN COMPUTATIONAL

MATHEMATICS

2017-2021

GPA: 3.72

LINKS

Github:// [ag-ayush](#)

LinkedIn:// [ag-ayush](#)

COURSEWORK

Analysis of Algorithms

Concepts of Computer Systems

Mechanics of Programming

Principles of Data Management

Numerical Analysis

SKILLS

LANGUAGES

Java • Python • C • MySQL • Bash

TOOLS

git • Linux • Spring Boot • Flask

Maven • Docker • Kubernetes

Splunk • Bootstrap

ACTIVITIES

COMPUTER SCIENCE HOUSE

SEPTEMBER 2017 - PRESENT

EVALUATIONS DIRECTOR

A university community of computing centred people focused on technical and social development of its members.

FRC@TEAM 174

SEPTEMBER 2015 - MAY 2017

Led the team as the project manager, programming lead, and drive team coach.

EXPERIENCE

INTUIT | SOFTWARE ENGINEERING Co-Op

May 2019 - December 2019 | San Diego, CA

- Back end software engineer for the IdProofing Team
- Migrated the service from Spinnaker to utilizing **Docker** and **Kubernetes**.
- Worked primarily in **Java** using **Spring Boot** and **Maven**

ACADEMIC SUPPORT CENTER | SUPPLEMENTAL INSTRUCTION LEADER

August 2018 - Present | Rochester, NY

- Aid students in historically difficult CS (Python, Java) courses.
- Plan and facilitate weekly review sessions for the students in order to further their understanding and confidence in the language, thereby also refining my own knowledge of the fundamentals.

STUDENT AFFAIRS AT RIT | ORIENTATION SUPERVISOR

August 2018 | August 2019 | Rochester, NY

- Trained Orientation Leaders to lead a group of new students and helped facilitate Orientation.
- Developed strong leadership, organization, communication, and team building skills.

PROJECTS

RIDE BOARD github.com/ag-ayush/rideboard

A web application developed for hosting large-scale events during which users would like to carpool in order to reach their destination. The app was built using **Flask-SQLAlchemy**, **PostgreSQL**, **Python Flask**, **Flask-pyoidc** and **bootstrap** and deployed using OpenShift. I learned about relational databases using SQLAlchemy, database design, and hosting databases with phpPgAdmin.

RIDE BOARD API github.com/ag-ayush/RideBoardAPI

A RESTful HTTP API developed for the CSH Ride Board application using **Python Flask**, **Flask-SQLAlchemy**, and **Flask-pyoidc**. The responses are produced in JSON format. I learned about APIs and parsing JSON.

SMART SHADES github.com/ag-ayush/smart-window-shades

A web service, written with **Python Flask**, **bootstrap**, **JavaScript** and **AJAX**, that allows one to control their window shades. The physical shades system was built with a Raspberry Pi and a stepper motor. I learned about JavaScript, programming using RaspberryPi and working with hardware.

WEBCHECKERS

A **Java**-based web server for the game of checkers that allows users to play against each other, against a computer, and spectate games. It utilizes the **Spark** web micro framework and the **FreeMarker** template engine.

AWARDS

- 2019 NRS Scholar
- 2017-2019 Dean's List at RIT
- 2017 Best External Data at DataFest, RIT