

# Kyler Ruvane

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## EXPERIENCE

### Software Engineer III

Google

SWE III: March 2020 - July 2022

SWE II: Aug 2018 - March 2020

#### Google Drive Activity (2019 - 2022)

- Java engineer responsible for a system that ingests ~300k qps of events and makes ~12M qps of rpc calls. Build and maintain code to collect Drive activity events, add useful information, and distribute to systems responsible for auditing, reporting, intelligence, Drive web, and Drive mobile.
- Primary designer for two multi-month projects.

#### Supply Chain (2018 - 2019)

- Java engineer responsible for CITM: the Centralized Inventory Transaction Management system which was an in-house supply chain management software.

#### Both Teams

- Part of a 24/7 on-call rotation. Regularly rated "exceeds-expectations" or higher. Received 12 bonuses related to exceptional work or helpfulness.

### Undergrad Internships

NASA JPL / Google

Summer 2016 & 2017

#### Google (2017)

- Created and productionised an internal chatbot for querying supply chain data.

#### NASA JPL (2016)

- Created a dataviz portal as a testing bed and example client of vector data.

## EDUCATION

Univ. of Colorado Boulder

Aug 2022 - May 2024

Cornell University

Sep 2014 - May 2018

#### Masters in Computer Science

- 4.0 GPA
- Graduate research assistant for the Collaborative AI and Robotics lab

#### BS in Computer Science

- 3.8 GPA - Magna Cum Laude
- Minors in Game Design and Information Science

## RESEARCH & TEACHING

CU Boulder GRA

Jan 2024 - May 2024

#### Graduate Research Assistant - Collaborative AI and Robotics Lab

- Missile Defense Agency: Explainable Policies for Emergent Raid Tactics.
  - Designed algorithms capable of distilling human-interpretable strategic insights from the reinforcement learning policies of expert agents.
- Other research includes three first author publications on human-robot teaming.

CU Boulder CS Lead TA

Lead TA: Aug 2023 - Dec 2023

TA: Jan 2023 - May 2023

#### Lead Teaching Assistant - Introduction to Computing (C++)

- Responsible for creating and reviewing new course material for a class of 1000+ students and organizing the ~25 other graduate teaching assistants.
- Additionally taught two sections, graded, held office hours, and proctored exams.

Cornell CS TA

3 semesters

2016 - 2018

#### Teaching Assistant - OO Programming and Data Structures (Java)

- Responsible for teaching one section of ~40 students, grading, holding office hours, proctoring exams, and answering online questions.

## LEADERSHIP

Outdoor Odyssey Guide

Summer 2017

#### Group Leadership

- Led a 6-day backpacking trip for incoming Cornell transfer students.
- Wilderness First Responder certified, group management skills.

Google Intern Mentor

Summer 2020

#### 1:1 Mentorship

- Supported an intern via weekly check-in meetings and ad-hoc conversations.

## LANGUAGES & TOOLS

JAVA • C++ • PYTHON • C • C# • JAVASCRIPT • HTML • CSS • SQL  
GIT • UNITY3D • PYTORCH • OPENAI GYM • DJANGO • UNREAL