

Kyler Ruvane

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1945 Arapahoe Ave, #3
Boulder, CO 80302

EDUCATION

Univ. of Colorado Boulder
Aug 2022 - Present

Cornell University
Sep 2014 - May 2018

Candidate for Masters in Computer Science

- 4.0 GPA
- Expected graduation May'24

BS in Computer Science

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

INDUSTRY EXPERIENCE

Software Engineer III
Google

SWE III: March 2020 - July 2022
SWE II: Aug 2018 - March 2020

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 several 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. Consistently 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.

RESEARCH & TEACHING

CU Boulder GRA
Jan 2024 - Present

CU Boulder CS Lead TA
Lead TA: Aug 2023 - Dec 2023
TA: Jan 2023 - May 2023

Cornell CS TA
3 semesters
2016 - 2018

Graduate Research Assistant - Collaborative AI and Robotics Lab

- Missile Defense Agency: Explainable Policies for Emergent Raid Tactics.
 - Designing algorithms capable of distilling human-interpretable strategic insights from the reinforcement learning policies of expert agents.
- Prior CAIRO Lab work includes three first author papers on human-robot teaming.

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.

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

Google Intern Mentor
Summer 2020

Group Leadership

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

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 • DJANGO • LIBGDX • DOCKER • AWS