

KYLE SCHNEIDER

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SUMMARY

Dedicated, self-motivated researcher/software developer with a background in both theoretical and experimental fields. Interested in writing/learning about software, doing/presenting research, and applying my math & science background to new fields.

EDUCATION

University of Colorado - Boulder, CO *Aug 2017 - May 2021*
BA in Mathematics, *magna cum laude* (GPA: 3.84)
BA in Physics (GPA: 3.60)
overall GPA: 3.52

Coronado High School - Colorado Springs, CO *Aug 2013 - May 2017*

SKILLS

- Open to learning new things and applying myself in new ways
- Organized with tasks/assignments and when working on long term projects
- Strong written and oral communication skills
- Professional and personable
- Python, SQL, Bash/Unix shell, Igor Pro, Microsoft Office Suite, C, Git, L^AT_EX, *
- FAA certified drone pilot (Part 107)

* Hold certificates for data analysis with Python & SQL

EXPERIENCE

Junior Flight Scientist/Data Analyst *Jan 2022 - Sep 2022*
Scientific Aviation/ChampionX - Boulder, CO
Analyzed data from aircraft measuring natural/greenhouse gas leaks and produced reports for customers; assisted in developing measurement system for drones; traveled to the field with aircraft to make measurements. Wrote software which increased the scientific confidence in the company's product as well as made the aircraft pilots' jobs easier and therefore safer. Was a primary contributor to a project with drones which in part involved pencil-to-paper mathematics, physics, learning new software, thorough analysis of data, and troubleshooting various software problems relating to drones.

Math Tutor *June 2021 - Jan 2022*
Self Employed - Boulder County, CO
Regularly gave math lessons to students including first year high school students, college students, and adults studying for entrance exams.

Homework Grader *Jan 2021 - May 2021*
University of Colorado - Boulder, CO
Graded weekly homework assignments for undergraduate mathematical analysis course. Included reading lengthy proofs and providing useful feedback to students.

Honors Thesis *Sep 2020 - Apr 2021*
University of Colorado - Boulder, CO
Defended honors thesis under the mentorship of Professor Sean O'Rourke. Spent many hours reading published papers surrounding the research topic. Created simulations using Python in order to discover mathematical patterns. Gained experience in the critical thinking and problem-solving that research demands.