# **Kyle Schneider**

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Location: Denver, CO

## SOFTWARE DEVELOPER

As a results-oriented software developer with expertise in Python and JavaScript, I have a proven track record of developing robust and optimized solutions. I bring a background in math and science to my approach, resulting in rigorous research and organization. I have the ability to quantify the impact of my work, such as automating tasks through scripting to save time or enhance accuracy by implementing thorough testing. In addition to being a quick learner who is capable of working independently, my communication skills and ability to adapt allow me to work well in a team setting.

### TECHNICAL SKILLS

JavaScript, React, Python, Flask, NumPy, Pandas, AWS, C/C++, HTML, CSS, PostgreSQL, JSON, REST APIs, GitHub, Bash/UNIX shell, VS Code

#### **PROJECTS**

## Chess Is Hard - GitHub - Demo - Live Site

Fully functional chess board game, includes castling, en passant capture, pawn promotion, and all win/draw scenarios.

- Created chess game logic from scratch in a back end created with Node JS
- Designed a clean and modern website using React
- Used AWS to host front end, deploy back end APIs, and store/manage data with database services

#### **EXPERIENCE**

#### Earthview, Denver, CO

Software Engineer

May 2023 – Present

- Created useful visuals in a React frontend dashboard to easily digest scientific data.
- · Adhered to TypeScript linting rules in React and Node JS projects.
- · Developed, improved, and tested Python functions using mathematics, physics, and chemistry
- · Supported a web application using AWS services such as CloudFormation, Lambda, and DynamoDB

#### ChampionX, Boulder, CO

Data Analyst/Junior Flight Scientist

January 2022 - September 2022

- Improved data analysis accuracy by implementing trapezoidal integration and removing temporal interpolation.
- · Automated routine tasks such as detecting aircraft turns and identifying unnatural measurements with Python.
- · Took initiative to collect and aggregate documentation for a revived project.
- Refactored and suggested new features to increase accuracy and usefulness of the 2000+ line Python data analysis code for aircraft measurement data.
- Developed and tested physics equations to calculate wind velocity during unmanned aircraft flight using gravity and aircraft motion.
- · Led weekly science team meetings to present ongoing research and ensure alignment on project goals.

#### **EDUCATION**

## Flatiron School, Remote

January 2023 - April 2023

Full Stack Web Development, Python and JavaScript program

University of Colorado, Boulder, CO

August 2017 – May 2021

Bachelor of Arts in Mathematics, magna cum laude Bachelor of Arts in Physics