

Nate Groves

www.linkedin.com/in/natepgroves | natepgroves@gmail.com | (661)-673-3406

EDUCATION

American University | Washington, DC | (Expected) Graduation: May 2026 | Majors: Computer Science and Data Science, Certification in Leadership and Ethical Development
GPA: 3.91

Golden Valley High School | Santa Clarita, California | Graduation: May 2022

GPA: 4.64, Ranking: 8/476

Honors: Principal's Award, Honor Scholar

PROFESSIONAL EXPERIENCE

Science & Engineering Aide | **Arete Associates** | Northridge, CA | May 2025 - August 2025

- Used Pandas, NumPy, and Matplotlib Python packages to build testing for reinforcement learning models and visualized results, creating tools with 50 + visualizations and using Tree-Structured Optimization methodology to find environments where the model underperformed
- Developed methods to improve proximal policy optimization models at inference time using NumPy and scikit-learn libraries, with OpenAI Gymnasium API to build environments
- Worked in Agile Software Environment using Jira software for task management and BitBucket for development

Teaching Assistant | **American University** | Washington, DC | August 2024 - December 2025

- Assisted in teaching of an Introduction to Computer Sciences I and II courses with three different experienced professors
- Held office hours to help students understand the class and the Python programming language and graded assignments for 25+ students
- Synthesized class materials and instruction for midterm and final exams and taught review sessions to entire class in preparation for exams

Data Analysis Intern | **National STEM Honor Society** | Remote Work | May 2023 - September 2023

- Performed data analysis on 10-15 weekly social media post performances across Instagram and LinkedIn
- Identified KPIs for posts through research and post histories, then performed analysis on what types of content performed well
- Utilized Excel and Google Sheets to organize data, visualize post performance and trends, and create tools for others to explore datasets
- Built presentations and explained data trends and post performance to marketing team to make suggestions for future posts

SKILLS

- *Hard Skills:* Arduino, D3.js, Datawrapper, Flourish Data Studio, Git, Google Suite, Jira, Jupyter Notebook, Microsoft 365, SQL, Procreate, Python (matplotlib, NumPy, pandas, scikit-learn), R, Tableau
- *Soft Skills:* collaboration, interpersonal communication, attention to detail, problem-solving, teaching