Andrew Gusty

Computer Science/Mathematics

Summer 2024

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https://jgandrew2022.github.io/

EDUCATION

Sophomore at the University of Colorado, Boulder - *Pursuing Bachelor of Science in Computer Science and Bachelor of Science in Applied Mathematics*

AUGUST 2022 - MAY 2026

GPA: 3.826

- CU Esteemed Scholar Award Recipient
- Engineering Honors Program Member

SKILLS

- Python
- C++
- Java
- HTML/CSS/JS
- AngularJS
- Linux
- Jenkins
- GIT
- SQL

WORK EXPERIENCE

University of Colorado Office of Information Technology - *Assistant System Administrator*

MAY 2022 - PRESENT

- Oversees and manages the University of Colorado's Linux-based server system
- Drastically improved CU's automated reboot system, resulting in a significant increase in use by customers, which greatly reduced time spent by system administrators performing manual reboots
- Other responsibilities include developing software for automation of tasks, maintaining programs and operating systems, deploying new hosts, and providing technical support to clients
- Primary technologies used include Python, Ruby, Chef, Ansible, RHEL, Jenkins, and GIT

PROJECTS & EXTRACURRICULARS

Consortium For Mathematics And Its Applications - Mathematical Contest in Modeling

FEBRUARY 2024

- Internationally recognized undergraduate applied math competition that takes place over 4 days.
- Worked in a team of three to derive and implement a mathematical model for momentum in sports.
- Results announced in May. Paper can be found at: https://jgandrew2022.github.io/

Mean-Variance Portfolio Optimization Paper - Matrix Methods Course Final Project

DECEMBER 2023

- FInal project paper for Matrix Methods course that tests practical improvements to the classical model for Mean-Variance Portfolio Optimization using Linear Algebra and Python
- Paper can be found at: https://jgandrew2022.github.io/

Full-Stack Development of Dog Adoption Website

APRIL 2023

- Final project for Software Development Methods and Tools at CU
- Worked in a team of 4 to create the front and back end of a full web application
- Technologies used include HTML/JS/CSS, NodeJS, PostgreSQL, MochaJS, Docker
- Link to project code: https://github.com/SamDub21/CSCI3308_DogProject

University of Colorado Robotics Club - *Perception Team Software Developer*

AUGUST 2022 - MAY 2023

- Responsible for configuring remote graphical interface to data storage server for image labeling
- Also responsible for image labeling system, selection of image recognition model, and training of model
- Primary technologies used include SQL, AWS, and Python