

# Gustav Cedergrund

Applied Math & CS Student (May 2025) passionate about business strategy and data-driven problem-solving. Proven leader with strong analytical skills.

## EDUCATION

### University of Colorado Boulder — *B.S. Applied Mathematics, B.S. Computer Science*

AUGUST 2021 - MAY 2025 | **3.991 GPA** \ 6-time member of the Dean's list

4th-year student in the School of Engineering and Applied Science.

#### Relevant Coursework:

AI & ML, Adv. Data Science, Data Structures, Algorithms, Software Dev., DB Systems, Applied Prob., Numerical Meth., Matrix Meth., High-Performance Sci. Computing, Applied Analysis I & II, Computational Neuroscience

#### Relevant Projects:

[Iterative Solvers](#) - Applications for Linear Systems & Eigenvalue Problems

[Billionaire Analysis](#) - Data Science project on Billionaire Dataset

[Num. Analysis White Paper](#) | [Matrix Methodologies w/ Financial Data](#)

## EXPERIENCE

### [Alcami](#), Durham, NC — *IT, Data Analyst Intern*

MAY 2024 - AUGUST 2024

- Data Track driver in SAP S/4 Hana ERP implementation for a Pharmaceutical CDMO of 1000+ employees.
- Collaborated with Business Process Owners across Lab Services, Drug Product Manufacturing, and Pharma Storage & Service to align data integration with business requirements.

### [CUANTAM Lab](#), Boulder, CO — *Research Assistant*

AUGUST 2022 - SEPTEMBER 2023 | [Project Abstract](#)

- Worked on 'Artificial Intelligence for Materials Discovery' project for CU Aerospace Nanoscale Transport Modeling (CUANTAM) Laboratory
- Developed a deep reinforcement learning model to optimize lattice structures of High Entropy Alloys for desired physical properties

## ATHLETICS

### [University of Colorado Swim & Dive Team](#) — *Swimmer*

CU Record Holder in the 100 & 200 Individual Medley, 400 Fr Relay  
4x College Club Nationals Finalist | Swedish Nationals Qualifier

## PRESENTATIONS/TALKS

April 2023 | [University of Wisconsin-Eau Claire](#) - National Conference for Undergraduate Research, Oral Presentation

May 2023 | [University of Colorado, Boulder](#) - CU Discovery Learning Apprenticeship Symposium, Poster

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## AWARDS

CU Presidential Scholar, CU's largest merit scholarship as top 1% of applying class

Engineering Honors Program, chosen to live/study with top engineering students at CU

Tau Beta Pi (Engineering Honors Society), member

## SKILLS

Problem Solving

Intrapersonal Communication

Group Process Development

Writing & Presentations

## PROGRAMMING & TOOLS

Python (Pandas, TensorFlow, Numpy, Matplotlib), advanced

C/C++/Java/JS (Design Patterns), advanced

SQL/MongoDB, advanced

GitHub, advanced

MATLAB, advanced

MS Excel, advanced

AWS/Docker, intermediate

React/Streamlit/HTML/CSS, intermediate

## LANGUAGES

Swedish, Native

English, Fluent

Spanish, Proficient

Japanese, Beginner - Lived in Tokyo for 2 years

## REFERENCES

Available upon request