

Andrei Ivan Thüler

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Work Experience

Data Scientist / *US Clean Energy* / Aug 2025 - Present

- Consult on various data-related problems throughout the company and its subsidiaries
- Skills: Python, CI/CD, GCP

Teaching Assistant & Grader / *University of Chicago Data Science Institute* / Jan 2023 - Jun 2025

- Graded assignments, debugged Python code and answered questions for 430+ students in 7 classes.
- Held weekly office hours for 130+ students, guiding them through complex data science problems.
- Skills: Python, Statistics, GitHub, Teaching

Data Science Intern / *Morningstar* / Jan - Mar 2025

- Investigated AI Agents and LLM training methods through UChicago's Data Science Clinic
- Skills: LLMs, AI Agents, Python, SQL, Linux

Data Science Intern / *US Clean Energy* / Jun - Aug 2024

- Developed a dashboard analyzing federal datasets, allowing the team to make data-driven decisions.
- Skills: Python, SQL, CI/CD, Dashboards

Production Manager / *University Theater* / 2023 - 2025

- Led the ~35 person crews of *Be More Chill* (2023), *The Play That Goes Wrong* (2024), and *35MM* (2025)
- Ensure safe, on-time and within-budget productions

Videographer / *University of Chicago* / Oct 2021 - Jun 2025

- Filmed 136 shows and coordinated logistics alongside each creative team and professional staff.

Academics

The University of Chicago / Sep 2021 - Jun 2025

- B.S. Data Science
- Minor: Science Communication & Public Discourse

Open Classrooms / 2014 - 2018

- College-level courses in Python, HTML, CSS, PHP, C, Bootstrap, Git, GitHub, Ruby, and WordPress

Skills

Programming: Python, PHP, JavaScript, SQL, R, Bash

Data & ML Tools: Pandas, NumPy, Matplotlib, Plotly, LLMs, AI Agents, API Integrations

Software & DevOps: MySQL, Git, GitHub, Docker, Kubernetes, Linux, TrueNAS, CI/CD

Web & Cloud: GCP, nicegui, WebSocket, S3

Languages: English (fluent), French (fluent), German (intermediate), Russian (intermediate)

Press

“My.UChicago Vulnerability Could Have Exposed Students’ Class Schedules” ([link](#))

- Exposed a major cybersecurity vulnerability at UChicago which could have leaked personally identifiable information in violation of privacy law.

Projects

Face Finder ([link](#))

- Tool to find when a specific face appears in a video.
- Skills: Python, Deepface, OpenCV

PassioGo API ([link](#))

- Python package to interact with 250+ transit networks run by PassioGo (5k+ downloads)
- Skills: Python, API

UChicago Shuttle Tracking ([link](#))

- Analyzing the performance of the UChicago transit system using a custom application running on Google Cloud. The data are then distributed using a custom API and displayed on a dashboard.
- Skills: Python, PHP, SQL, Plotly, API, WebSocket, Google Cloud Compute Engine

CGP Grey’s Rock Paper Scissors ([link](#))

- Statistical analysis of an internet-wide game of Rock Paper Scissors with 2.6 million players
- Skills: PHP, JavaScript, YouTube API

Explore more projects at andreithuler.com/projects

Awards & Achievements

Campus Life & Leadership Award / Apr 2025

- Recognition for my extensive contributions to the University of Chicago campus life

Prize Winner / *Uncommon Hacks* / Mar 2025

- Won a prize for our team’s project [SkyVars](#) which allows easy storage of variables in the cloud

Prize Winner / *Winter Tech Showcase* / Jan 2025

- My UChicago Shuttle Tracking project was awarded the second-place prize at this UChicago competition

Student Leadership Award / *University of Chicago* / 2024

- Recognition for my significant contributions across multiple student organizations (SLRA Award)