

Samuel Utzinger

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Education

Northern Arizona University | Flagstaff, Arizona Aug 2022 - (Anticipated May 2026)

Undergraduate

- Senior BS Data Science Minor in German GPA: 3.35, Dean's list 2024 - 2025 - 2026
- Data Science Club President
- Undergraduate Research at RESHAPE Lab & Software Development
- Study Abroad at University of Zurich (UZH) & Study Abroad Assistant

Work Experience

School of Informatics, Computing, and Cyber Systems | Flagstaff

Dec 2025 - Jan 2026

Software Developer | Academic Event Attendance Platform

- Implemented an application for NAU students to track their attendance at university events for extra credit
- HTML and Python front end with a policy-aware SQL backend to enforce institutional constraints.

RESHAPE Lab | Flagstaff, AZ.

Paid: May 2025 - August 2025 (Unpaid: Jan 2025 - May 2025)

Undergrad Research

- Developed machine learning pipelines to predict developer inactivity in open-source software projects
- Accepted to present at [ICSE 2026 AMC Student Research Competition \(SRC\)](#) (Rio De Janeiro, Brazil)
- Recipient of the NAU 2026 TRIF Faculty Research and Creative Activity Support Grants (FSG)
- First-author publication expected Spring 2026 ICMSE

Brickfort Associate | London, UK.

June 2025 - August 2025

Research Associate Internship

- Assist in designing and developing algorithmic trading systems using Python.
- Interact with financial APIs to extract, clean, and process raw market data.
- Analyze trading results and performance metrics to refine and improve strategy effectiveness.

Center Of International Education | Flagstaff, AZ.

Jan 2025 - Jan 2026

Study Abroad Assistant

- Video editing in DaVinci Resolve for outreach and assistant roles supporting students with study abroad application process.
- Responsibilities include: editing, coordinating outreach efforts, managing social media accounts, supporting administrative tasks, video creation, large public speaking presentations, managing emails.

Academic Projects

International Conference on Software Engineering (ICSE 2026) - Student Research Competition April 2026

- 2nd Place in the Undergraduate Student Research Competition.
- "Early Forecasting of Developer Inactivity in Open Source Projects"

Animal Hack 2024

Aug 2024

- Awarded "[Excellence in Research](#)" and published [here](#).
- A project on endangered animal trade ethics and data analysis finding the primary purposes of legal trade

Datathon ETH

Fall 2020

- Placed Top 10 in UBS challenge using Instagram API and machine learning models to predict ad traffic.

Speaking Opportunities

- Undergraduate Research Symposium (URS) Mar 2025
- 3rd at Engineering Fest "External Research Category" Nov 2025

Data Science Club

Sep 2025 - Present

- Elected President in 2026 after serving as Treasurer in 2025.
- Led a student-run data science club focused on applied analytics, statistical learning, and professional development. Hosted a NAU Hackathon (Datafest) w/ Dr. Buscaglia

Brickfort Internship | Study Abroad

April 2024 - Aug 2024

- Remote Internship with Brickfort located in London UK. Program through [Absolute Internship](#)

Technical skills

- Python, SQL, R, C, pandas/numpy, ETL, APIs, data cleaning, visualization, Git/GitHub, Jupyter, Docker, LaTeX, time series, classical ML, model evaluation, XAI, deep learning

Citizenships / Languages

- United States w/ passport, English - *Native*
- Switzerland w/ passport, German - *Intermediate*
- United Kingdom w/ passport

