DEVIN VON ARX

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EDUCATION

Rice University

Expected May 2026 Houston, TX

Bachelor of Science in Electrical and Computer Engineering
Minor: Neuroscience

Study Abroad - University College Dublin

Spring 2025 Dublin, IE

AWARDS & POSTERS

Posters

Von Arx, D., Traylor, J., & Evans, K. M. (2024). *Building and employing new digital resources for the study of U.S. scientific advisors* [Poster]. Digital Humanities Conference, Arlington, VA, United States.

Awards

Jesse Jones Leadership Center Summer in D.C.

Rice University

May 2025 – Aug. 2025 Washington, D.C.

- Selective undergraduate fellowship supporting public policy and global affairs work

Fondren Fellows

Rice University

Aug. 2023 – May 2025 Houston, TX

- Competitive undergraduate fellowship supporting research in archives and library science
- Presented in multiple showcases for the Rice University community on libraries and archives

LEADERSHIP & ACTIVITIES

Juggling Club Founder

Rice University

Aug. 2023 - present

Rocketry Club

Rice University

Aug. 2022 - May 2025 Houston, TX

- Worked on a team to build a flight instrument for rockets
- Earned L1 certification in rocketry

Aerial Arts and Juggling

Circus Project

Aug. 2009 - present (audition troop member from 2017 to 2022)

SKILLS

Design Tools: KiCad, LTspice, SolidWorks
Software: MATLAB, Python, Java, JavaScript, Bash, TensorFlow, OpenCV, NumPy
Fabrication: Laser Cutter, 3D Printing, Soldering
Hobbies: Saxophone, Artificial Intelligence, Juggling

EXPERIENCE

Electrical Engineering Researcher

Rice University

Aug. 2025 - present Houston, TX

- Prototype a flexible, wearable, non-invasive sweat analysis system combining iontophoretic sweat induction with real-time electrochemical biosensing and wireless data transmission
- Design hardware architecture and PCB layout for a modular electrochemical sensing platform supporting interchangeable analyte detection (glucose, lactate, sodium, etc.)

Public Policy Intern

Center for Security and Emerging Technology

May 2025 - Aug. 2025 Washington, D.C.

- Conducted policy analysis on AI governance and safety, with focus on U.S. state-level regulation
- Authored and published two policy articles analyzing California AI legislation
- Expanded and maintained AGORA (AI Governance and Regulatory Archive) to support public access to AI policy data

Public Policy Research Assistant

Baker Institute

May 2023 - present Houston, TX

- Build an open-source tool to automate the processing of adding records to archives
- Create a database for White House Scientist and Science Policy Dynamic Digital Archive
- Conduct historical research on U.S. federal science, technology, and innovation policy

Electrical Engineering Research Assistant

University College Dublin

Jan. 2024 - May. 2025 Dublin, IE

- Applied signal processing techniques to digital stethoscope audio to develop methods for early detection of pulmonary fibrosis under Professor Doheny

Neuroscience Research Assistant

Biointerfaces Institute, University of Michigan

May 2024 - Jul. 2024 Ann Arbor, MI

- Tested the invasiveness of glioblastoma cells after inducing a transition into their mesenchymal-like states with oncostatin M in Professor Hara's lab
- Developed an automated system that quantified the impact of astrocytes on glioblastoma cells

Computer Science Intern

Portland State University

Jun. - Aug. 2021 Portland, OR

- Researched under Professor W. Feng machine modeling techniques to best identify pedestrians in low-light photos