

Nicole Kerschner

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Education

Scripps College | Claremont, CA

Expected Graduation May 2026

- GPA 3.945
- B.A. in Mathematics and Computer Science (through Harvey Mudd College)
- Minor: Spanish, Latin American, and Caribbean Literatures and Cultures
- Dean's List (Fall 2022 – Fall 2025)
- Co-Founder and Co-President, Scripps Cheese Club
- **Relevant Coursework:** Data Structures, Algorithms, Computability and Logic, Differential Equations, Computing Practices, Statistics, Math Methods for Data Science, Human-Centered Computing Methods

Professional Experience

Geospatial Information Science (GIS) Intern | Scout Clean Energy | Boulder, CO

Summer 2024 and Summer 2025

- Developed a full-stack web-based data storage system using Python, HTML/CSS/JavaScript, and PostgreSQL for tracking geospatial deliverables across a wind and solar development portfolio
- Integrated and synchronized development and GIS data for 200+ renewable energy projects using Python, Salesforce, and ArcGIS
- Designed internal geospatial tools and conducted analyses to support wind and solar development

Teaching Assistant | Colegio Caja Granada | Granada, Andalucia, Spain

February 2025 – May 2025

- Supported a classroom of 25 first-grade students across English, Math, Language, and Environmental Studies
- Created and facilitated interactive learning activities and taught foundational English vocabulary

Instructor | Mathnasium of Longmont | Longmont, CO

June 2020 – August 2023

- Tutored students (2nd-12th grade) in mathematical concepts from arithmetic to calculus
- Strengthened students' problem-solving skills and academic confidence through individualized instruction

Teaching Assistant | Peak to Peak Charter School | Lafayette, CO

August 2021 – May 2022

- Developed curriculum materials, practice problems, and exams for AP Calculus AB
- Taught lessons and offered one-on-one instruction to improve students' understanding and exam readiness

Software Intern | Inovonics | Westminster, CO

August 2021 – May 2022

- Built a new EchoStream serial monitor to support wireless sensor development
- Used Python, parallelism, and OOP to capture and display radio-wave data from receivers
- Contributed to both front-end UI and back-end system design

Member of 15Forever Committee | YouthRoots | Boulder, CO

August 2019 – May 2020

- Researched community issues and helped raise over \$7000 to address youth homelessness in Boulder County
- Evaluated grant proposals and advised distribution of funds to local nonprofits

Skills

- Programming: Python, Java, C++, HTML, CSS, JavaScript
- Data Management: SQL, R
- Game Development: Godot, GDScript
- UX/HCI: Think-Aloud Protocols, Directed Storytelling, Surveys, Storyboards, Speed Dating, Prototyping
- Tools: ArcGIS, Figma, Salesforce, PostgreSQL
- Languages: Spanish (B2/C1 reading, writing, speaking)

Awards/Distinctions

Sigma Delta Pi: Spanish National Honor Society | Scripps College | November 2024

Aspirations in Computing Regional Award Winner | National Center for Women in Information Technology | 2020, 2021, 2022