

DANIEL MCGEE MARIN

✉ mcgeedan@berkeley.edu · 🌐 mcgeedan.com · 📞 (859) 445-1659 · in DanielMcGeeMarin

🎓 EDUCATION

University of California at Berkeley, CA 2024 – Present

GPA: –

B.S in Electrical Engineering and Computer Science (EECS) + Business Administration Dual Major:
Management Entrepreneurship and Technology Program, expected graduation May 2028.

Northern Kentucky University, KY 2022 – 2024

GPA: 4.0

Dual enrollment program, took full-time university courses specializing in pre-engineering.

- Relevant Coursework: Numerical Analysis, Vector Calculus, and Object Oriented Programming
- Extracurriculars: VEXU Robotics, Volunteer Bilingual Tutor, Program Ambassador, Band

Stanford, CA Summer 2023

GPA: 4.0

Summer residential program, taking the following coursework at Stanford:

- Ordinary Differential Equations, Introduction to Formal Methods of Philosophy, Public Speaking

High School, KY 2020 – 2024

GPA: 4.88 weighted — Valedictorian

Took two years at Highlands High School, transferring to Scott High School for dual enrollment opportunities.

- Was ranked first for GPA at Highlands when I left, and graduated from Scott as Valedictorian

🧑‍💻 EXPERIENCE

R Shiny Developer, Northern Kentucky University Summer 2024

Summer Researcher Mentors: Andy Long, Nelum Hapuhinna

Undergraduate research project to create an air quality dashboard and backend in R Shiny.

- Visualized large scale map data, adding location analysis tools
- Created interpolated heatmap algorithms

ML Audio Classification Researcher, Northern Kentucky University Summer 2023

Summer Researcher Mentor: Andy Long

Created a device to alert people with hearing disabilities in war zones.

- Trained ML model to classify gunshots and sirens with 97% accuracy
- Built and wired an Arduino device to implement the model

Math and Stats Tutor Mar 2023 – May 2024

Worked at the department drop-in tutoring lab, covering content from algebra to vector calculus and statistics.

⚙️ SKILLS

Relevant Coursework:

- Calculus I, II, III
- Differential Equations
- Numerical Analysis
- Probability and Statistics

Programming Skills:

- Python (intermediate)
- Java (intermediate)
- C++(beginner), C#(advanced)
- Lua (advanced)
- MATLAB (intermediate)

Languages:

- Spanish (Native or Bilingual)
- English (Native or Bilingual)
- Japanese (Limited Working)

🌟 ACHIEVEMENTS

HITEC Scholar Jul 2024

- Hispanic technology scholarship for emerging young professionals, scholars are paired with a one on one mentor, and are invited to HITEC workshops

SKECHERS Foundation Scholarship Recipient Jun 2024

- Scholarship selection based on academics, leadership and career goals

NKU President's Honors List 2022 – 2024

- 4.0 GPA for four semesters

Mathemalchemy Workshop Assitant Feb 2024

- Selected to assist *Ingrid Daubechies* in the workshop at Northern Kentucky University focusing in the intersection between Art and Math

LULAC National Educational Service Centers Scholarship Recipient Sep 2023

- Awarded a scholarship to serve as a regional representative to the 2023 Washington Youth Leadership Seminar in Washington D.C
- Selected to deliver one of two participants keynote addresses at the LULAC Leadership Conference Banquet in Washington D.C

NKU Exceptional Partner in First-Year Student Success May 2023

- Awarded for work as a bilingual math tutor, helping students who needed support

♡ VOLUNTEER WORK

College Readiness Trainer, Northern Kentucky University Oct 2023 – Dec 2023

- Led weekly sessions for dual enrollment students to help them achieve college readiness in Mathematics

Math Teacher's Assistant, Northern Kentucky University May 2022

- Co-led math sessions at a Northern Kentucky University summer-camp for Latin(x) middle school students

Math Teacher's Assistant, Esperanza Latino Center Jan 2020

- Co-led a 6-week math exploration camp at the Esperanza Latino Center in Covington, KY
- Tutored online for the Esperanza Center throughout the summer of 2021

📁 MISCELLANEOUS

GitHub: [Github.com/DanielMcGeeMarin](https://github.com/DanielMcGeeMarin)

Personal Projects:

- Saifu TOTP authenticator app + web extention
- Ubuntu home server admin, hosting my website and several docker apps

Presentations:

- “NKU Air Quality Dashboard Showcase”. NKU URSTEM Seminar Series. April 19, 2024
- “Getting Critical Information to the Deaf in a War Zone”. NKU Math Dept Seminar Series. July 23, 2024