

Evan Kiess

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EDUCATION

University of North Carolina at Chapel Hill & NC State University

Anticipated May 2027

B.S., Biomedical Engineering, GPA: 3.6

B.A., Hispanic Linguistics, Minor in Mathematics

PROJECTS

BasketBot Project Lead

Sep 2025 - May 2026

- Design and fabricate a robot to shoot a three-point basketball shot
- Lead programming, mechanical, and electrical teams

Tiny Tuner

May 2025 - Jul 2025

- Developed compact guitar tuner with ESP32 microcontroller and MEMS microphone
- Implemented FFT and YIN algorithm in Arduino framework for pitch detection

WORK EXPERIENCE

Research Assistant

Dec 2025 - Present

Center for Animal MRI, Chapel Hill, NC

- Design and fabricate fixtures for awake fMRI brain scans of head-fixed mice
- Develop a novel MRI-compatible virtual reality system for mice

Undergraduate Teaching Assistant

Aug 2025 - Dec 2025

Lampe Joint Department of BME, Chapel Hill, NC

- Supported students enrolled in BMME 207: Biomedical Electronics

Marketing Intern

Jul 2025 - Sep 2025

AMR Clinical

- Developed recruitment materials for clinical research trials

Research Assistant

Jan 2025 - Aug 2025

Coherence Imaging Laboratory, Chapel Hill, NC

- Participated in novel OCT imaging research on PFAS effects on mammary cells
- Implemented several noise-reduction and signal analysis algorithms in MATLAB

Calculus Teaching Assistant

Aug 2022 - May 2023

North Carolina School of Science and Math, Durham, NC

- Tutored calculus students in 1-on-1 and group settings
- Created and adapted lesson plans to fit students' individual needs

COMMUNITY INVOLVEMENT

RAM Robotics - Project Lead

Jan 2025 - Present

- Lead a project to design and fabricate a basketball-shooting robot

Well Woven Youth - Director of Operations

Sep 2025 - Present

- Organize fundraising events and orchestrated oral hygiene drives

Carolina Adapts Toys for Children (CATCH) - Member

Aug 2023 - Present

- Modify children's toys to increase accessibility for children with disabilities

UNC iGEM Competition Team - Website Developer

Jan 2024 - Jul 2024

- Participated in revolutionary PFAS research
- Synthesized dense, technical research into easily digestible information

SKILLS & RELEVANT COURSEWORK

Technical: Programming, Data Analysis, CAD, Mechanical Design, Arduino, ESP32 Microcontrollers

Professional: Time management, teamwork, leadership, communication, and organization

Coursework: Solid Mechanics, Biomechanics, Biocontrols, Microcontrollers, Biomedical Electronics

Languages: Professionally Proficient in Spanish