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

Sequential Learning Puzzle Cube   **Feb 2025 - Present**
- Design and prototype a puzzle cube for use with adults with autism
- Follow research on sequential learning developed by UNC's TEACCH

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

Undergraduate Teaching Assistant   **Aug 2025 - Present**
Lampe Joint Department of BME
- Support students enrolled in BMME 207: Biomedical Electronics

Marketing Intern   **Jul 2025 - Present**
AMR Clinical
- Develop 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

Summer Intern   **Jun 2023 - Aug 2023**
Sosna & Huffstetler Law Offices, Rocky Mount, NC
- Drafted and edited petitions for Chapter 7 and 13 bankruptcies
- Migrated the locally-stored client database to a cloud-based system

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 - *Member*   **Jan 2025 - Present**
- Developed a smart trash can using computer vision to increase recycling

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: Trained in HIPAA Compliance, Experienced in Programming, Data Analysis, and CAD
Professional: Time management, teamwork, leadership, communication, and organization
Coursework: Organic Chemistry 1, Differential Equations, Biomedical Electronics, Biomedical Mechanics
Languages: Professionally Proficient in Spanish