

Ethan Freiberg

ethan.freiberg@ufl.edu | (954) 461-1758 | [linkedin.com/in/ethanfreiberg](https://www.linkedin.com/in/ethanfreiberg)

EDUCATION

Bachelor of Science in Mechanical Engineering

May 2027

University of Florida – Herbert Wertheim College of Engineering, Gainesville, FL

GPA: 3.95/4.0

- **Relevant Coursework:**

- Calculus III, Computer Aided Graphics and Design, Physics with Calculus 1, MATLAB

WORK EXPERIENCE

SAT and Math Tutor

Aug. 2021 - Present

Self Employed, Parkland, FL

- Develop and execute tailored SAT and math tutoring sessions for a diverse range of students, focusing on individual strengths and weaknesses to maximize improvement
- Manage scheduling, billing, and administrative tasks efficiently as a self-employed tutor, demonstrating strong organizational and time management skills

Part-time IT Consultant

Aug. 2019 - May 2023

Freiberg, Peck & Kang, LLP, Armonk, NY

- Utilized Microsoft Excel to analyze data, creating organized and insightful spreadsheets.
- Diagnosed and resolved computer connectivity issues, ensuring seamless operations and minimized downtime

LEADERSHIP

Nanostructured Energy Systems Lab (NESL) | UF Department of MAE

Jan. 2023- Present

Research Assistant

- Assist a graduate student in the development of a cutting-edge wearable artificial kidney, providing crucial support in integrating a micro dialyzer and electro-dialyzer components
- Utilize and refine skills in CAD software (SolidWorks), machining, drilling, and bonding to support the development of the wearable artificial kidney project
- Conduct experimental testing using various solutions containing different concentrations of urea and proteins, demonstrating proficiency in experimental design and laboratory techniques

Society of Asian Scientists and Engineers (SASE)

Sep. 2023-Present

SASE Intern

- Collaborate with a diverse team of 30+ interns and professionals, successfully organizing and executing SASE events and STEM related opportunities
- Actively participate in skill-building workshops enhancing professional communication skills and technical skills

SKILLS

Programming: Java, MATLAB

Software: SolidWorks, Microsoft Word, Microsoft Excel, Microsoft PowerPoint

Web Development: HTML, CSS

PROJECTS

Golf Putter Alignment Sensor | Herbert Wertheim College of Engineering

Jun. 2023 - Aug.2023

Lead Mechanical Engineer

- Led the design phase and generated 3D models using OnShape CAD software and managed the production of two 3D printed components within the design

HONORS & AWARDS

Scholarships: National Merit Scholarship Winner, UF Benacquisto Full Ride Scholarship

Academic awards: Herbert Wertheim College of Engineering Dean's List Fall 2023, AP Scholar with Distinction 2023, AP Scholar with Honor 2022, American Heritage High Honor Roll 2020-2023

