

Experience

Generational Relief in Prosthetics | EMG Adaptive Interface Specialist

Gainesville, FL | 01/2025 - Present

- Collaborated to identify and evaluate an EMG dataset with thousands of data points for use in training and validation of a machine learning model
- Processed and cleaned raw EMG data in MATLAB using filtering and normalization to improve usability
- Developed a machine learning model to interpret EMG data to control a bionic hand

Chipotle Mexican Grill, Inc. | Line Cook

Spring Hill, TN | 05/2025 - 08/2025

- Accurately prepared and assembled various entrees, ensuring customer turnaround remained under 2 minutes
- Rigorously upheld the Chipotle Food Safety Seven food safety and sanitation standards, including food preparation, handling, and storage, and cleaning of kitchen equipment
- Effectively managed FOH and BOH operations in a made-fresh kitchen, ensuring items remained prepped and stocked during high-volume rush periods

Storiza | Software Developer

Gainesville, FL | 01/2025 - 05/2025

- Developed a digital Elkonin box software using Python, Node.js, and phoneme-processing libraries to support literacy in children with learning disabilities
- Collaborated with a 4-person team to prototype, manage tasks, and integrate front-end and back-end features
- Recorded and processed phoneme audio samples to facilitate proper integration into the application

Skills

- C++, Python, MATLAB, Swift, Git, Machine Learning, Node.js
- ImageJ, OpenSim, Excel, Word, PowerPoint, Office, PCB Design, Signal Processing

Education

University of Florida | Bachelor's Degree - 4.0 GPA

Gainesville, FL | 08/2024 - 05/2028 (Anticipated)

- Concentration in Biomedical Engineering with a Minor in Computer Science
- Honors College, University Research Scholars Program, Herbert Wertheim College of Engineering Dean's List

Leadership and Extracurriculars

Historian | Public Relations | Phi Gamma Delta

Franklin, TN | 03/2025 - Present

- Established and supported the successful operation of the Upsilon Phi Chapter as part of the executive board
- Initiated 40+ new members into the Fraternity, educating them about the Fraternity's history and values
- Maintained a strong social media presence, designing graphics and posts to represent the Fraternity's image