

Tamara-Etaremi (Desirae) Zuokumor

tdzuokumor@crimson.ua.edu | <https://www.linkedin.com/in/tamara-etaremi-zuokumor-a86950293> | (346) 307-0940

EDUCATION

The University of Alabama, Tuscaloosa, AL

May 2027 | GPA: 3.01

Bachelor of Science in Electrical Engineering, Minor in Computer Science

Relevant Coursework: Computer Science I, Digital Logic, Calculus I, Calculus II, Calculus III, Differential Equations, Statistical Data Analysis, Theory of Probability, Physics I, Physics II, Electrical Circuits, Macroeconomics

SKILLS

- CSS, HTML, JavaScript, Python, AutoCAD, Revit, Adobe Creative Cloud, Microsoft Excel, Microsoft Power Point, Microsoft Teams, Microsoft Word, OrCAD Capture, Quartus Prime
- Adaptability, Attention to Detail, Problem Solving, Time Management, Team Collaboration

UNDERGRADUATE RESEARCH

Dr. Crawford, Human Interaction Technology Lab

January 2025 - Present

- Gained hands-on experience with AI and machine learning tools for facial, sound, and body pose recognition, including Body Pose, ml5.js, and Teachable Machine, to develop models analyzing human movement
- Developed human recognition models using machine learning frameworks, integrating HTML and JavaScript
- Presented models weekly to Dr. Crawford and a team of 12 research students, receiving feedback to enhance AI, ML, and programming expertise

EMPLOYMENT HISTORY

Electrical Engineering Co-op, Jordan & Skala Engineers,

August 2024- December 2024, Houston, TX

- Streamlined the design process for circuiting receptacles, light fixtures, and mechanical equipment by optimizing methods, enhancing workflow efficiency, and implementing MEP industry best practices
- Strengthened proficiency in software engineering tools, including AutoCAD and Revit, to enhance design
- Conducted precise calculations for panel boards, ensuring proper functionality of electrical equipment
- Filed COMchecks to ensure adherence to ethical standards, building codes, and energy regulations.
- Facilitated communication between technical and non-technical team members, bridging gaps, clarifying requirements, and fostering collaboration to reduce misunderstandings, and drive successful project outcomes

Soccer Referee, i9 Sports Corporation

May 2023 - December 2023, Katy, TX

- Facilitated conflict resolution by mediating disputes among players, coaches, and parents
- Enforced game rules consistently to promote fair play, integrity, and sportsmanship among all participants
- Monitored games closely to uphold safety standards, prevent disputes, and maintain an enjoyable experience

AWARDS

National Recognition Full Tuition Scholarship at The University of Alabama

December 2022

The University of Alabama Honors Program

July 2023

Dean's List Scholar

Fall 2023

EXTRACURRICULAR INVOLVEMENT

Active Member

National Society of Black Engineers
Society of Women Engineers
Association of Computing Machinery
African Student Organization

Merchandise Chair, Tikkun Olam Makers

Led merchandise creation and contributed ideas to a club developing affordable, open-source assistive technologies to improve the lives of disabled individuals