Sarone Kelete

(510) 926-7487 | skelete@ucsc.edu | www.linkedin.com/in/saronekelete | https://github.com/saronieeee

Education

University of California, Santa Cruz Santa Cruz, CA
Bachelor of Science in Computer Science, GPA: 3.69 Expected May 2026
Awards: Regent Scholar, Certificate of Proficiency in ROP Web Design
Relevant Coursework: Computer Architecture, Computer Systems, Embedded Systems, Data Structures and Algorithms, Engineering Principles of Electricity, Programming Abstractions, Object Oriented Programming

Technical Skills

Programming Languages + Frameworks: Python, C, C++, HTML, CSS, Javascript, Typescript, Assembly, Angular
Software: Visual Studio, Git, Figma, Matplotlib

Projects

Recycle Radar! -- *HTML, CSS, Typescript*
- Collaborated with a team of 4 young professionals to create and design a website that tracks the amount of recyclable materials the user has and approximates the amount of money they could receive by taking it to the nearest recycling center
- Tracks the user's reduced carbon footprint in order to incentivize and encourage to continue recycling

Traveling Salesman Problem -- *C programming*
- Created an algorithm that takes in a weighted graph with vertices and edges, then determines and outputs the best path by utilizing the recursive depth first search

Huffman -- *C programming*
- Created an algorithm that losslessly compresses data by creating a binary tree according to which bytes in the file are most common in order to reduce their representation to fewer bits
- Also able to decompress data compressed by Huffman to its original, readable/viewable output by traversing the binary tree and "translating" it back

Experience

Neuromorphic Computing Lab -- *Undergraduate Researcher* **April 2024 - Present**
- Led a team of 5 young professionals, fostering an environment of continuous learning and mutual growth
- Deconstructed a complex DVS Lip dataset, a ML model implemented in PyTorch, enhancing team understanding of its intricacies
- Created an interactive tutorial using Jupyter Lab, simplifying complex Machine Learning techniques for beginners

Tech 4 Good Lab -- *Social Computing Researcher, Components Team* **April 2024 - Present**
- Collaborated with a subteam of 10 young professionals to implement components designed by the Design team
- Developed a visualization dashboard using Figma Widget for the exploratory reading group program
- Created media aimed to increase research visibility and understanding

Academic Talent Development Program, UC Berkeley -- *Teacher's Assistant* **June 2019 - June 2021**
- Mentored 80 students in learning how to code using Scratch with projects, activities, and games
- Organized documents, presentations, and student work for the professor
- Engaged and communicated with the children during breaks in order to build community

Leadership and Professional Development

ABC Student Success Symposium -- *Pan African Research Fellow* **May 2024**
- Independently created and managed a research poster and presentation slides regarding my research at Tech4Good
- Presented at the Spring Symposium in order to increase visibility of people of color in research
- Attended mixers, lunches, and presented to university faculty, staff, and students

Management Leadership for Tomorrow -- *Career Prep Fellow* **November 2023 - Present**
- Accepted into a selective 18-month professional development program for high-achieving diverse talent
- Complete business case studies and assignments to grow leadership and technical skills
- Attend conferences hosted by industry leaders such as Deloitte, LinkedIn, and Target

National Society of Black Engineers -- *Signer, Programs Manager* **September 2022 - Present**
- An Authorized Representative, take all legal and financial responsibility for the organization
- Network and communicate with professionals in the tech industry
- Plan and organize events to enrich members and build community

Hypercube Robotics -- *Business Team Lead* **June 2018 - May 2022**
- Managed the finances, marketing, documentation, and executed outreach events.
- Fundraised over $10,000, gained sponsors, and helped youth in STEM prosper through programs we designed
- Qualified for the FIRST FTC robotics worlds competition twice

Additional Skills

- Trilingual -- Spanish (proficient), Tigrinya (conversational)