

Priscilla Saarah

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Objective

Seeking an internship and/or a shadowing opportunity that will enhance my technical skills, knowledge and abilities while complimenting my academic program of study

Education

BSc | May 2022 | Dillard University

- Current GPA: 3.9
- Major: Biological Sciences | Minors: Chemistry and Computer Science
- Related coursework: Microbiology · Genetics · Histology · Environmental Biology · Organic Chemistry · Biochemistry · Analytical Chemistry · Data Structures and Algorithm · Data Management Systems · System Analysis and Design

Research Experience

Research Assistant | Dillard University | Fall 2019 - Present

- Analyzed accelerometer data describing 3-D accelerations of the legs of elephants during approximately 800 strides.
- Presented research at an on-campus conference and preparing the manuscript for publication
- Will be analyzing thermographic images to identify tissue hypoxia in elephants during cold exposure

Research Assistant | NASA | Spring 2019 - Present

- Currently building hygrometers attached to payloads that measure and record Earth's atmospheric humidity, which will be used by another NASA team in their cosmic ray research.
- Working cross-functionally with ~3 teams to complete the High Altitude Student Payload project

Intern | Distributed Research Experiences for Undergraduates | Summer 2020

- Implemented data structures and algorithms like the A* (A-star) pathfinding algorithm
- Developed code for a basic robot simulator to be used as a model for building robots for two introductory robotics courses at the University of Michigan

- Developed 50% of the robotics courses' syllabi and ~ 8% of the courses' contents.
- Building a simple kiwi drive robot using skills learned throughout the internship

Projects

Cal Hacks Team Project

- Wrote and implemented code to build the back-end infrastructure for a chatbot
- Worked collaboratively with three other coders to assign and complete project tasks

Google Hackathon Project

- Wrote code for a rock-paper-scissors game using C++
- Used conditionals to let the program make decisions to enhance user experience

Birthday Greeting App

- Designed a birthday greeting app using XML and Android Studio
- Utilized ImageView and TextView functions to create an engaging user interface

Tutor/Mentor Experience

Tutor | Southern Initiative Algebra Project | Spring 2019 - Spring 2020

- Modelled math games to enhance student's engagement and performance in math
- Supervised kids' fun day, which improved their confidence and teamwork skills

Peer advisor | The Whether Mary Ellen Pleasant Entrepreneurship fellowship | Spring 2019

- Managed student and fellow interaction
- Worked to enhance community engagement, which resulted in a 10% increase in student participation

Organizations & Memberships

- Dillard University Samuel DuBois Cook Honors Program Present
- Dillard University Pre-med club Present
- Dillard University International Club – Vice President Spring '19 - Spring '20

University Service

- Louisiana Collegiate Honors Council Conference – Volunteer Spring 2019

- Virtual Residency Introductory/Intermediate Supercomputing Research Summer 2019
Facilitation Workshop at Oklahoma State University

Community Service

- Crayton's Leadership and Scholarly Services (New Orleans) - Tutor Fall 2018– Spring' 20

Honors & Awards

- XSEDE student champion
- Clinton Global Initiative University Commitment Maker (2019/2020)
- Dillard university's university scholar scholarship (Full tuition, room and board)
- UNCF Course Hero Student Emergency Aid Fund 2020
- Generation google scholarship (Cash award of \$10,000)
- Google Scholars Retreat (Google Headquarters)
- Dillard university 2019 research week first prize award
- Fall 2018 google residency second best student

References available upon request.