

EDWINA GATOR

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PROFILE

Diligent college sophomore pursuing a Biology degree with an interest in neuroscience. Excellent problem-solving, communication and leadership skills.

EDUCATION

University of Houston- Downtown, Houston, Texas

Bachelor of Science in Biology with Concentration in Molecular and Cellular Biology May 2020

GPA: 3.97

Honors: Dean's List

Awards: Scholars Academy Scholarship (Aug 2016 – present); Good Neighbor Scholarship (Aug 2017- May 2018)

Activities: National Society of Collegiate Scholars, Member (Aug 2017 – Present); Scholars Academy, Member (Aug 2016 - Present)

Relevant Courses: Physics, Organic Chemistry (Spring 2018), Microbiology (Spring 2018)

LABORATORY SKILLS

Electrochemical analyzer machine; Proficient in interpreting Current Voltage graphs; Chemical and electrochemical films preparation; Light Microscope; Thin Layer Chromatography; Data Processing

RESEARCH

University of Houston- Downtown, Houston, TX

Jan 2017 – Dec 2017

Preparation of Cobalt Hydroxide Film Modified Electrode for Battery and Sensor Applications Researcher

- Prepared Cobalt Hydroxide film using various methods and analyzed it using constant voltage graphs obtained through an Electrochemical Analyzer

RESEARCH PRESENTATIONS

Gator, Edwina.” The Preparation of Cobalt Hydroxide Modified Electrode for Battery and Sensor Applications,” RICE University’s Gulf Coast Undergraduate Research Symposium, Houston, TX. Nov 2017. PowerPoint presentation

Gator, Edwina. “The Preparation of Cobalt Hydroxide Modified Electrode for Battery and Sensor Applications” Graduate School and Internship Fair, University of Houston-Downtown, Houston, TX. Oct. 2017. Poster presentation

TUTORING AND MENTORING EXPERIENCES

University of Houston- Downtown, Houston, Texas

Biology Supplemental Instruction Leader Aug 2017 - Present

- Develop and execute creative study sessions to aid students in synthesizing their knowledge

Peer Led Team Learning (PLTL) Workshop Leader and Math Tutor Aug 2016 - present

- Lead workshops and motivate students to solve problems in Science and Mathematics

Scholars Academy Peer Mentor Aug 2017 - Present

- Communicate with peers and motivate them throughout their academic career

New Student Orientation Gator Crew Member Aug 2017

- Directed and encouraged 20-30 new freshmen students for four days as they learned about the University

COMMUNITY ENGAGEMENT

Stevenson Middle School, Houston, Texas Nov 2016

- Educated 20 students on different opportunities available in STEM fields; coordinated experiment on DNA extraction

Marshall Middle School, Houston, Texas Nov 2016

- Collaborated with 50 students in completing experiments and reports for their upcoming science fair