

JIMMY E. PALADIN

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EDUCATION

Furman University: Greenville, SC

Bachelor of Science in Chemistry

May 2022

Minor: Environmental & Earth Science

GPA: 3.4/4.0

Honors & Awards:

Dean's List (4/4 Semesters)

Tri Beta Honor Society

RESEARCH EXPERIENCE

Research Assistant

August 2020-May 2021

Furman University Department of Biology: Greenville, SC

Tasks and Methods of Molecular Biology

- Researched the mechanisms by which small molecules compete with proteins for DNA binding.
- Conducted polymer composites for tissue engineering and biofouling resistance.
- Applied analytical instrumentation to measure molecules of release such as neurotransmitters and biological modulators in non-mammalian systems.

National Science Foundation: Research Experience for Undergraduates

May 2019- August 2019

Furman University Department of Chemistry: Greenville, SC

- Worked with manometer to take routine pressure measurements per instructions of professor or graduate assistants.
- Collected data from lab work by using programs such as LabTrack and MATLAB and presented information to Prof. Paladin.
- Gained experience working with SETAvap vapor pressure analyzer to automatically simulate temperature and pressure changes.

RELEVANT COURSEWORK

BIO-300 Cell Biology

BIO 341 Tropical Ecology

BIO-322 Human Physiology

BIO 343 Environmental Systems

ADDITIONAL EXPERIENCE

Career Ambassador

Furman University Malone Center for Career Engagement: Greenville, SC

- Developed resources and a "legacy project" to encourage students to engage with the center
- Assisted professional staff with projects and tasks to keep operations effective
- Interacted with peers and offered insights and answers to career development questions

CAMPUS INVOLVEMENT

Vice President, Secretary, Member

August 2018 - Present

Furman Environmental Action Group: Greenville, SC

- Created a campus-wide sustainability initiative in collaboration with faculty
- Recruited new members and delegated tasks to ensure successful implementation of programs

SKILLS

Experience with cloning and DNA sequencing

Western blotting; SDS-PAGE; microinjection; spectrophotometry, PCR and IEX

Working knowledge of GIS, ArcVIEW, Breeze (ISCST3)