

Jack R. Prazich

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Education

University of Texas-Austin

Biomedical Engineering PhD, August 2019-Present

University of Wisconsin-Madison

Biochemistry BS, May 2019

Research Experience

Graduate Research Assistant

November 2019- Present

Jiang Lab

Austin, TX

- Investigating COVID19 vaccine targets with future projects in cancer immunotherapy in multiple myeloma, colorectal, and melanoma models.

Research Assistant

Jan 2017-May 2019

Record Lab

Madison, WI

- Performed benchtop and RQF experiments to elucidate the kinetics and mechanism of RNA transcription.

Laboratory Techniques

Flow cytometry, FACS, PCR, DNA cloning, gel electrophoresis, DNA & protein purification, NMR, and IR spectroscopy, solutions preparations, HPLC and gas chromatography, mass spectrometry, cell culturing and transformations

Work Experience

Study Technician Intern

May 2018-Aug 2018

Covance Inc.

Madison, WI

- Ran laboratory animal operational aspects of nonclinical studies including dose administration, study procedures, and data collection.
- Coordinated the integration of two redundant databases to improve equipment tracking facility-wide.
- Organized the internship philanthropy ultimately donating 200 pounds of goods and two volunteer lunches at the local community center.

Computer Skills

Programming Languages: Java, Python, MATLAB, R

Related Courses: Computational Biology, Programming II & III, Intro to AI, Applied Stats

Teaching/Training Experience

Teaching Assistant

Jan 2019-Present

UW-Madison Chemistry Department

Madison, WI

- Taught a general chemistry undergraduate course with lab component.

Academic Tutor

Nov 2017-Jan 2019

Division of Diversity, Equity & Educational Achievement (DDEEA)

Madison, WI

- Tutored underrepresented minorities in science in a small group setting.

Community Service

Humorology

2016-2017

- Raised \$12,000 for The Rainbow Project as a lead in a charity theater production