

KIARA A. RICHARDSON

WORK EXPERIENCE

The Boeing Company

Electrophysics Engineer and Scientist

2024 - Current

- United States Government Clearance - **Secret Level**
- Conducting Integration and Testing analysis for the electronics within the F/A-18 Super Hornet jet along with supporting the Mission Systems teams

Integration and Testing Analyst Engineering Intern

2023

- United States Government Clearance - **Secret Level**
- Summer intern at the St. Louis, MO site and worked on multiple projects that included the overall electronics and weapons enhancement of the F/A-18 Super Hornet jet along with supporting the Mission Systems teams

Integration and Testing Analyst Engineering Intern

2022

- United States Government Clearance - **Secret Level**
- Summer intern at the St. Louis, MO site and worked on multiple projects that called for mathematics, electrical and systems engineering, technical report writing, and analytics for the multiple F/A-18 Super Hornet teams

Rice University

Mathematics Department Assistant

2023 - Current

- Helped faculty members in organizing and cataloging participant data for the Arizona Winter School (AWS) using research methods and Google Sheets for documenting information

Mathematics Grader

2022 - 2024

- Graded homework/midterm/final exams for the Calculus course MATH 111
- Evaluated homework/midterm grades for the Calculus I course MATH 112
- Charted homework grades for the Calculus I course MATH 101
- Assembled Midterm Exam grades for the Calculus II course MATH 102

Mathematics Teaching Assistant (TA)

2022

- Supported students in Calculus course MATH 111 by sitting in class, grading homeworks and exams, hosting office hours, and coordinating with the professor

Embry-Riddle Aeronautical University

Astronomy Research Assistant

2020-2022

- Performed with Astrophysics professor to study Rapidly Oscillating A-Peculiar Stars (ROAPS)
- Research relied on star imaging processors AstrolImageJ and Period04 along with Microsoft Excel for data collection, Fortran/Python code for analysis, and the use of multiple telescopes around the world

Tutor

2020-2022

- Writing Center Tutor - Lead Mentor for technical research writing
- Mathematics Tutor - Privately tutored k-12 mathematics

Imaging Analyst

2020-2022

- Promoted to Team Lead in 2021
- Student worker as an Analyst where I trained new hires and scanned, compiled, checked and input student data into the university's Imaging2.0 system

Orientation Team

2018-2021

- Promoted to Orientation Specialist in 2021
- Collaborated with Captains to lead Team members during Orientation weeks (Fall/Spring/Summer) and ensure that incoming students had a great start to their academic careers

REFERENCES UPON REQUEST

CONTACT

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Saint Louis, Missouri, USA

EDUCATION

Embry-Riddle Aeronautical University

Bachelor of Science in

Computational

Mathematics - Engineering Applications

Minors in Humanities and Astronomy/Astrophysics

Rice University

Master of Computational and Applied Mathematics

Rice University

Master of Engineering Management and Leadership - Data Science

SKILLS

Coding Languages

- MatLab/Python/LaTeX

Management

- Creativity, Critical Thinking
- Leadership, Management
- Communication, Time Management
- Teamwork, Organization

Productivity Extensions

- Microsoft (Word, Teams, Excel, SharePoint, PowerPoint, One Note, Outlook)
- Google (Slides, Sheets, Docs, Forms, Meet, Duo, Hangouts, Collab)

LINKEDIN

