

Ryan Parker

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I am very passionate about Mathematics, Statistics and Data. I am currently a graduate student at the University of Central Florida studying Financial Mathematics. I have a lot of experience coding and tutoring as well. I am a problem solver and determined to accomplish any task given to me.

Authorized to work in the US for any employer

Work Experience

Graduate Teaching Assistant

University of Central Florida - Orlando, FL

August 2020 to Present

- At UCF I have had the opportunity to teach several lessons and hold review sessions
- I have learned to balance a full course load with teaching and tutoring students. I have been able to show students projects I am working on or current events that relate to several of the topics they are learning.
- I have received excellent reviews from students and have always been above average on the teaching metrics.

Tutor

N/A

August 2018 to Present

- I have been a tutor for several years now. I have tutored students as young as 3rd grade up through students in college level courses.
- I predominantly tutor math related subjects but have also tutored in English and Science before. I love working with students and, on average, have seen those I tutor increase their grade by one whole letter grade

Mailroom Employee and Custodial Assistant

COE COLLEGE - Cedar Rapids, IA

August 2016 to May 2020

- I was a mailroom employee from August 2016 to January 2018. During this time I gained several skills such as problem solving, organizational skills and running processes efficiently and effectively.
- As a custodial assistant, I cleaned the building I was assigned.

Statistics Research

COE COLLEGE - Cedar Rapids, IA

May 2019 to March 2020

- I had the opportunity to do statistical research. I compared Bayesian methods of Sequential Probability Ratio Tests to the Classical method.
- I ran simulations in R and even created an interface in R using the Shiny App.

Quantitative Solutions Intern

Aegon Asset Management - Cedar Rapids, IA

May 2019 to September 2019

- I optimized code in VBA and Python.
- I was part of a model validation team where I compared the code to the ideology and found possible complications within the code.
- I have experience with the Bloomberg Terminal

Bartender

Multiple Bars

September 2018 to May 2019

- I have bartended at several bars while attaining my undergraduate degrees. I have had to deal with an array of different types of customers which have improved my communication skills.
- I developed great listening skills as well as learned to deal with stressful situations in a calm manner.

Education

Master's in Financial Mathematics

University of Central Florida - Orlando, FL

August 2020 to Present

Bachelor's in Mathematics

Coe College - Cedar Rapids, IA

August 2016 to May 2020

Bachelor's in Economics

Coe College - Cedar Rapids, IA

August 2016 to May 2020

Skills

- Microsoft Office (4 years)
- APIs
- SQL
- Experience Working With Students
- R
- VBA
- Computer Science
- Python
- Julia
- C++
- Microsoft Word
- Microsoft Powerpoint
- Excel

- Tutoring
- Computer Skills
- Teamwork
- Bloomberg
- Data visualization
- Analysis skills
- C/C++
- Microsoft SQL Server
- Analytics

Links

<https://www.linkedin.com/in/ryan-z-parker>