



# MCKAYLA HAGERTY

GRADUATE STUDENT: DATA SCIENCE & ANALYTICS

## CONTACT

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## SKILLS

- High level of mathematical reasoning & complex problem solving
- Strong academic background in arithmetic, algebra, geometry, calculus, & statistics
- Experience with machine learning, modeling, data visualization, & data mining
- Extensive hands on use of R, SAS, & MATLAB
- Basic knowledge of Python, Numpy, Pandas, Tableau, C/C++, OpenJDK, & Minitab
- Excellent critical thinking, active learning, & creative thinking skills
- Advanced knowledge of Google Sheets, Excel, & Adobe Illustrator

## INTERESTS

- Big Data Analytics, Machine Learning, Technology-Enhanced Learning, Distributed Systems

## OTHER EXPERIENCES

- Undergraduate Teaching Assistant - Old Dominion University
- Social Media and Marketing Coordinator Intern - Flex 4 Change
- Summer Camp Director - St. John the Apostle Catholic School
- Travel Youth Soccer Coach - Beach FC

## SUMMARY

I am a highly motivated, detail-oriented, self-starter constantly seeking ways to apply and expand my education and growing knowledge of mathematics and data science.

## EDUCATION

**Master of Science (M.S.) Data Science & Analytics** Aug 2020 - Present  
**Old Dominion University**

*Relevant Coursework:* Data Visualization, Statistical/Probability Models

**Bachelor of Science (B.S.) Applied Mathematics** Aug 2016 - May 2020  
**Old Dominion University**

*GPA:* 3.53

*Relevant Coursework:* Data Analysis, Complex Variables, Applied Numerical Methods, Theory of Statistics & Probability, Modern Statistical Methods for Big Data, Information Literacy & Research, Partial Differential Equations

## EXPERIENCE

**Graduate Teaching Assistant** Aug 2020 - Present  
**Old Dominion University**

- Plan and lead 6+ weekly undergraduate level mathematics supplemental instruction sessions of between 5 and 30 students to reinforce lecture content.
- Develop teaching materials, such as interactive PowerPoints, visual aids, and supplementary notes.
- Maintain regular virtual office hours to meet with students.

**Executive Assistant & Data Specialist** Aug 2017 - Present  
**Beach FC**

- Spearhead launch and oversee maintenance of website with database for futsal facility, program, and rental information to capture over 8000 registrations and 400 rentals in year one.
- Provide leadership in the development and successful implementation of a viable internship program. Hire, monitor, and coordinate intern schedules.
- Develop budgets and establish event logistics to include brainstorming, meeting with partners/sponsors, marketing, and day of event execution.
- Convert data into actionable insights to increase player retention and identify areas for growth potential.
- Communicate with customers in person, over the phone, through email, and on social media to determine and recommend appropriate facility opportunities.

## RESEARCH AND PRESENTATIONS

**Research: Technology-Enhanced Learning** Aug 2019  
**Undergraduate Researcher**

- Explored and implemented the use of PowerPoint for animated lessons and My Math Lab to assess student understanding.
- Developed a lesson plan and engaging multimedia presentation titled *The Pythagorean Theorem Proved and Extended* with the focus of providing a logical transition of understanding from the Pythagorean Theorem in 2D to 3D by creating complementary visuals brought to life through animation.

**International Conference on Technology in Collegiate Mathematics** Mar 2020  
**Conference Presenter**

- Accepted for a poster presentation on my project, *The Pythagorean Theorem Proved and Extended*, at the ICTCM where I virtually represented Old Dominion University in March 2020.