

# Samuel Clyne

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## EDUCATION

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**University of Massachusetts Amherst** Amherst, MA  
**Isenberg School of Management**

*Master of Science in Business & Analytics* May 2020

- Cumulative GPA: 4.0
- Relevant Coursework: Business Intelligence & Analytics, Data Management for Business Leaders, Advanced Business Analytics, Marketing Strategy, Operations Management

### College of Natural Sciences

*Bachelor of Science in Physics & Astronomy* May 2019

- Cumulative GPA: 3.42
- Relevant Coursework: Computational Physics using MATLAB, Introduction to Computer Science using JAVA, Multivariate Calculus, Ordinary Differential Equations, Topics in Statistics & Data Analysis, Observational Techniques in Astronomy using Python, Introduction to Linear Algebra

## RESEARCH EXPERIENCE

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**University of Massachusetts Amherst** Amherst, MA

*Research Assistant, REU in Astronomy* May 2018 - May 2019

- Developed python package to blindly search for clumps in FITS data cubes corresponding to gas emission lines in redshifted galaxies
- Wrote and debugged functions to smooth and visualize data, plot spectra, and create moment maps
- Participated in weekly meetings to present project progress to advisor and research group

*Research Assistant, Introductory Research Course*

January 2018 - May 2018

- Explored variability in the period of T Tauri stars in the Taurus star forming region
- Involved in observation, data reduction, analysis, and poster presentation
- Gained experience reading and presenting scientific literature

## PROFESSIONAL EXPERIENCE

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### Textron Systems

Williamsport, PA

*Sales Analyst*

April 2021 – Present

- Develop and maintain dashboards in QlikView to present data on sales metrics
- Provide price analysis based on historical and competitor data to ensure pricing and margin goals are met
- Utilize SmartForecast software to build predictive models to determine spare parts inventory
- Generate queries in SQL to provide clean data for reporting

### Best Agent Today

Newburyport, MA

*Data Analyst*

July 2020 – June 2022

- Developed Random Forest model to predict subscription cancellations with goal of reducing churn
- Developing ETL pipeline to transform raw real estate transaction data into usable data in database
- Conducted analysis on impact of different variables in agent scoring algorithm

### University of Massachusetts Amherst

Amherst, MA

*Student Athlete tutor*

Spring 2017 – May 2020

- Tutored Student Athletes in physics and calculus topics
- Utilized excellent relationship-building skills to create comfortable environment for athletes
- Demonstrated flexibility and strong communication to present material to athletes with different learning styles
- Made relatable links between abstract concepts and athlete's daily life

*Teaching Assistant*

Spring 2018

- Teaching assistant for Physics Gen-Ed course "Big Bang to Black Holes"
- Attended weekly reviews and graded papers from students on physics topics
- Held exam reviews before midterm and final exams

## POSTER PRESENTATIONS

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- "VRI and H $\alpha$  Variability in Low Mass T Tauri Stars with the WIYN Half Degree Imager" CoolStars20 Conference, Cambridge MA, July 29, 2018

## OBSERVATIONAL EXPERIENCE

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- WIYN 0.9m Half Degree Imager, KPNO Jan. 2018 (4 days)

## SKILLS

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Python, R, MATLAB, Java, SQL, QlikView