

# RYAN JAEGER

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## EDUCATION

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### THE PENNSYLVANIA STATE UNIVERSITY, SCHREYER HONORS COLLEGE

University Park, PA

BACHELOR OF SCIENCE IN MATHEMATICS, MAY 2019

GPA: 3.99/4.00

- **Thesis:** A Large Scale Analysis of Phone Usage Patterns to Understand Rhythms of Human Activities
- **Coursework:** Linear Algebra, Stochastic Modeling, Time Series Analysis, IT Project Management, Applied Data Sciences, Advanced Data Management, Critical Thinking for Leadership

## EXPERIENCE

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### GRENZEBACH GLIER & ASSOCIATES

Chicago, IL

ANALYTICS/CONSULTING INTERN

June 2018 – October 2018

- Enhanced wealth screening software by analyzing over 2 million records to validate donor rating system
- Automated and streamlined reporting process for donor insight surveys, reducing cost for clients
- Presented recommendations on fundraising objectives for past client to senior consultants as case study

### WELLBEING & HEALTH INNOVATIONS LAB

University Park, PA

RESEARCH ASSISTANT

January 2018 – May 2019

- Quantified population-wide sleep habits through analysis of longitudinal phone use data
- Created computational framework to import, clean, process and analyze 18+ terabytes of phone activity data
- Contextualized, synthesized, and communicated findings in lab meetings towards completion of Honors Thesis

### MERCK & CO., INC.

West Point, PA

MANUFACTURING ANALYTICS INTERN

May 2017 - July 2017

- Restored 500+ employee laptops as part of global recovery effort following massive cyber attack
- Developed series of business intelligence dashboards to promote efficiency on vaccine production line
- Coordinated and facilitated training sessions on utilizing data visualization software for manufacturing

### NITTANY DATA LABS

University Park, PA

PROJECT MANAGER

February 2016 - May 2017

- Led team of 4 analysts to conduct exploratory data analysis for local EdTech startup as pro-bono project
- Completed 10-week training course in principles of machine learning and data visualization
- Collaborated and negotiated with Penn State alumni and corporate partners to acquire speakers for seminars

## LEADERSHIP

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### PRESIDENTIAL LEADERSHIP ACADEMY

University Park, PA

MEMBER, CLASS OF 2019

April 2016 – May 2019

- Coauthored 58-page policy proposal outlining technology-based solutions to college mental health crisis
- Selected as one of 30 members from highly competitive pool of 200+ applicants from Penn State Class of 2019
- Fostered critical thinking through three-year leadership experience of seminar classes, field trips, & speakers

### PENN STATE MARCHING BLUE BAND

University Park, PA

CLARINET GUIDE/HEAD LIBRARIAN

August 2015 – May 2019

- Led 26-member clarinet section to achieve musical and marching excellence in all performances
- Directed team of 3 librarians to coordinate the organization and distribution of music for 280+ instrumentalists
- Rehearsed 20+ hours per week to learn challenging new marching routines for each home football game

## TECHNICAL SKILLS

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- Python, SQL, Tableau, R, NoSQL, MATLAB, C++, SAS, TIBCO Spotfire

## AWARDS AND HONORS

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- Phi Beta Kappa Honor Society, *Lambda of Pennsylvania Chapter* May 2018
- Evan Pugh Senior Award, *The Pennsylvania State University* March 2018
- Dean's List, *Eberly College of Science* December 2015 - May 2018
- Eagle Scout Award, *Boy Scouts of America* June 2015