

Current Address  
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University Park, PA 16802

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Permanent Address  
4131 Emerson Lane  
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## Education

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### THE PENNSYLVANIA STATE UNIVERSITY, SCHREYER HONORS COLLEGE

*Eberly College of Science* | B.S. in Mathematics (Actuarial Option), Minor in Statistics  
*College of Liberal Arts* | B.S. in Economics

University Park, PA  
2016 – 2020 Exp.  
GPA: 4.00/4.00  
Dean's List 4/4 Sem.

**Relevant Coursework:** *Multivariate Probability Theory, Calculus-based Intermediate Microeconomics, Real Analysis*

**Activities:** *Real Estate Society (President), Schreyer Honors College Mentor, Actuarial Science Club, South Asian Students Association*

## Relevant Exams

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SOA/CAS Exam P/1 (Probability)  
SOA/CAS Exam FM/2 (Financial Mathematics)  
VEE Economics (AP Micro and Macroeconomics)  
VEE Accounting & Finance

**Passed**, Sep 2017  
**Passed**, Jun 2018  
**Earned**, May 2016  
**Earned**, May 2018

## Relevant Work Experience

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### ACTUARIAL INTERN (LONG-TERM CARE) – Unum Group

Portland, ME | **Jun 18 – Aug 18**

- Optimized a disabled-life reserve model's reliability and performance through testing and comparing algorithm design in the Prophet financial modeling software with an Excel/VBA-based model replicator
- Stratified data table formation and organization for 980,000 policyholders through use of linkage-join table construction logic in an SQL-based model tabulation data point generator code block
- Supported experience analysis in multiplier factor research by performing a monthly backcast of data point table reserve tabulations and comparing demographic properties through SQL model point concatenation

### UNDERGRADUATE TEACHING INSTRUCTOR – Penn State Smeal College of Business

University Park, PA | **Dec 17 – Pres**

- Introduce a 50-student class to actuarial science and the exam-testing process through the development and presentation of weekly lectures on calculus-based probability theory and career selection tips
- Articulate effective learning techniques in mathematics and statistics through devoting 15-20 hours per week on office hours and mentoring sessions on homework, exam preparation, and interviewing

### REVENUE ANALYSIS AND MANAGEMENT INTERN – Comfort Inn and Suites

Allentown, PA | **May 17 – Aug 17**

- Increased revenue per available room in 120-unit hotel by analyzing reports on occupancy and pricing strategy of competition
- Implemented marketing techniques through research and formulation of cyclical geographic data of business and tourism

## Leadership Experience and Involvement

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### CLUB PRESIDENT AND HEAD OF ANALYSIS – Penn State Real Estate Society

University Park, PA | **Dec 17 – Pres**

- Foster an interest in real estate through student meetings consisting of guest speakers and investment competition games
- Added depth and discussion to student meetings by innovating on presentation media by use of simulations and workshops

### ORIENTATION MENTOR – Schreyer Honors College Freshman Orientation

University Park, PA | **Feb 17 – Aug 17**

- Selected from competitive application to assist 12 incoming freshmen with insight on Schreyer Honors College culture
- Served on the Move In and Arrival team* – Managed logistics of room key handling, showed incoming students room/class locations, and helped oversee campus tour of 300 incoming Penn State students

## Skills and Awards

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- Skills:** Proficient in SQL Database Software, R Studio, Python, Microsoft Office (Excel, Introductory VBA, PowerPoint, Word)
- Awards:** President's Freshman Award (2017), President Sparks Award (2018), Schreyer Honors College Academic Excellence Scholarship (2016), Junior Science Scholarship for participation in science research for 6 years (2016)