

# EMILY SHEEN

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## EDUCATION

### Pennsylvania State University

PhD in Statistics, First Year

State College, PA

Expected Graduation May 2022

- **First Year Coursework:** Regression Analysis and Modeling (using R), Theory of Statistics I, Theory of Statistics II, Design and Analysis of Experiments, Stochastic Processes and Monte Carlo Methods, Asymptotic Tools
- **Awards:** Graduate Teaching Assistantship

### University of Arizona, Honors College, Eller College of Management

Bachelor of Science, Bachelor of Science in Business Administration (with Honors)

Tucson, AZ

Graduated May 2016

- **Majors:** Mathematics (GPA 3.64) & Business Economics (GPA 4.0)
- **Honors:** Served as Mentor & Panelist at Eller Professional Onboarding Academic Year Academic Distinction  
Dean's List with Distinction, Dean's List, or Honorable Mention
- **Awards:** Beta Gamma Sigma National Business Honorary (awarded to top 7% of Eller juniors), Arizona Board of Regent's High Honors Endorsement Award, Wildcat Excellence Award Scholarship, National AP Scholar

## SKILLS

- Experienced with probability distributions, multiple linear regression, logistic regression, LASSO, Ridge regression, regularization techniques, hypothesis testing and confidence intervals, dummy variables, ideal conditions for estimators and deviations from ideal conditions, sufficient statistics, hypothesis testing, UMVUE, UMP, UMA
- Computer programming experience with R, SAS, Java, MatLab, STATA
- Proficient in Microsoft Excel, PowerPoint, Word, Outlook, SharePoint
- Experienced in financial analysis, capital project prioritization, budget forecasting using Hyperion

## PROFESSIONAL EXPERIENCE

### Pennsylvania State University

Graduate Teaching Assistant

State College, PA

August 2017 – Present

- Hold office hours and group tutoring for advanced undergraduate course on basic probability theory, including combinatorics, conditional probability, independence, Bayes' theorem, random variables, expectation, variance, MGF's, probability distributions
- Engage with professor in a professional and approachable manner on student performance, design of homework problems, and grading
- Manage assignment grading and scheduling of make-up exams

### Arizona Public Service Company

Financial Analyst I

Phoenix, AZ

June 2016 – May 2017

- October 2016 CFO Team Recognition Award winner
- Monthly and quarterly reporting on financial information and operational performance metrics
- Miscellaneous accounting such as querying, accruals, and journal vouchers using PowerPlant and Hyperion accounting systems
- Run financial reports and budget variance analysis using Hyperion, and distribute information in a PowerPoint to APS executives
- Support Business Planning Initiatives and performance metric planning
- Decision support for capital projects and initiatives using NPV and ROI analyses
- Work with Business operations leaders to plan their budgets and headcount for future years.

### Finance & Business Operations Summer Intern

May 2015 – August 2015

- Supported project portfolio management by prioritizing capital projects on a tight budget
- Analyzed Transportation department costs to correct undercharging and map costs to recovery mechanisms
- Conducted NPV & ROI financial analyses on resource management projects to determine financial viability

### The University of Arizona

Desk Assistant at Yavapai Residence Hall

Tucson, AZ

August 2015 – May 2016

- Trained in social justice techniques for promoting equality and diversity on a college campus
- Functioned as an information resource to residents for on-campus services such as tutoring, Campus Health, clubs, and events
- Trained in FERPA policy and worked to protect students' personal information, room keys, and mail

### Sunquest Information Systems

Quality & Regulatory Intern

Tucson, AZ

January 2015 – May 2015

- Wrote business cases to gain executive approval for Quality Department projects
- Cooperated with Marketing to design a Quality & Regulatory website and Cost of Quality dashboards to send out company-wide
- Brainstormed and planned methods of launching the department's yearly goals and initiatives

## CLUBS & COMMUNITY SERVICE

- Statistics Graduate Student Association active member
- Arizona Roller Derby Skater and Volunteer (AZRD is a 501(c)3 nonprofit organization)

August 2017 – Present

August 2016 – May 2017