

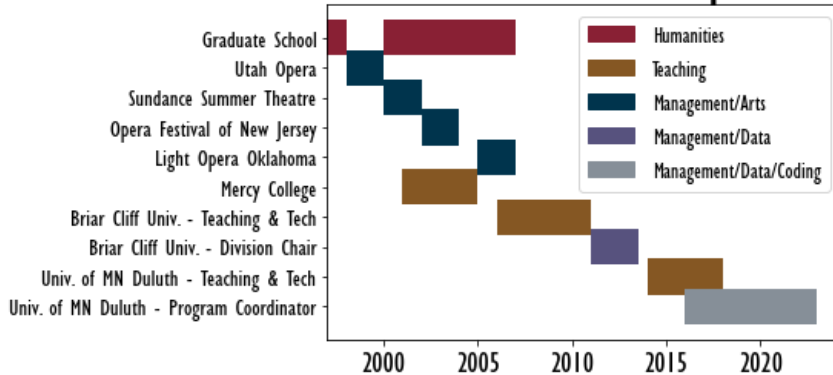
# Samuel T. Shanks, PhD

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LEARNER | INPUT | IDEATION | ANALYTICAL | ACHIEVER

– Relentlessly Curious –

## What I've Been Up To



## EDUCATION

- 1996 — Columbia University, BA, Theatre
- 2002 — City University of New York, MPhil, Theatre
- 2008 — City University of New York, PhD, Theatre History, Criticism, & Literature
- Ad Hoc Coursework & Independent Study:
  - Statistics, Computer Science I & 2, Software Analysis, Chemistry, Geology (Ind. Study — 2013-2020)
  - Foundations in Design Thinking Certificate (IDEO U — 2020)
  - Machine Learning Specialization (Coursera/Stanford AI — 2022)
  - Google Data Analytics Professional Certificate (Coursera/Google — 2022)
- The Next Two Courses...
  - Azure Data Scientist Associate (Microsoft)
  - Senior Data Scientist certification (DASCA)

## MY SKILL SET

### EXCEPTIONAL:

- Collaboration
- Strategic Ideation
- Management/Leadership
- Independent Problem Solving
- Quantitative Analysis

### SOLID:

- Python (Openpyxl, Pandas, etc.)
- Visual Design
- Written Communication
- Robotics

### WORKING KNOWLEDGE:

- R/R-Studio/Shiny/Quarto
- Machine Learning/Neural Networks
- Tableau
- HTML/CSS
- C++

### IN DEVELOPMENT:

- SQL
- Julia
- ChatGPT

## DREAM JOB: Machine Learning Engineer for NASA

I have had a varied career. Here is what I have gained from it:

**Theatre:** Collaboration & Verbal Communication Skills; Management & Leadership Skills

**Teaching:** Verbal & Written Communication Skills, Leadership Skills, Research Skills

**Administration:** Management & Leadership Skills; Data Analytics Experience; Coding Experience

**Independent Research:** Time Management; Coding Experience; Deep-Dives into Statistics, Computer Science, Robotics, Chemistry, Geology, etc.

Check out my data science portfolio at: <https://profshanks.github.io>

## Career Profile

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7+ years of experience in leveraging coding & data analytics to facilitate decision-making, internal communication, and faculty development within the university setting. 20+ years as a professor, administrator, and leader with a focus on general education, first-year student experiences, and theatre. Former peer reviewer for the Higher Learning Commission, with a focus on general education accreditation.

## Career Summary

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### **Assistant Professor/Faculty Coordinator, UST 1000 Program**

September 2016 – present

University of Minnesota Duluth, (UMD) Duluth, MN

Implementation of data-driven analysis of evaluation & survey data. Faculty development leveraging best-practices in student development & community building. Campus-wide communication of the program's goals, practices, and outcomes. Mentoring and instructing students. Redevelopment and oversight of UMD's First-Year experience course/program.

### **Tenured Associate Professor/Division Chair (Gen. Ed. & Honors)**

March 2011 – August 2013

Briar Cliff University (BCU), Sioux City, IA

Oversight of the BCU's general education & honors programs. Redevelopment of first-year experience program. Point-person for Higher Learning Commission accreditation planning. Faculty development leveraging best-practices in general education. Mentoring and instructing students.

### **Instructor/Assistant Professor**

Aug. 2006 – March 2011

Briar Cliff University, Sioux City, IA

of Theatre department's stage production season including directing, scenic & lighting design. Mentoring and instructing students. Management

### **Assistant/Technical Director & Freelance Production Designer**

August 1998 – August 2006

Multiple Theatre & Opera Companies

Oversight of the construction, installation, rehearsal & performance processes for the scenic & lighting departments of numerous theatre and opera companies in New York, New Jersey, Oklahoma, and Utah. My communication & collaboration skills formed the bedrock of my success in this phase of my career.