

# Mira Flynn

they/them/theirs

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## EDUCATION

### OLIN COLLEGE OF ENGINEERING

**BS ENGINEERING: COMPUTING**

Jun 2023 | Needham, MA

50% Tuition Merit Scholarship

### RIVERDALE COUNTRY SCHOOL

Jun 2019 | New York, NY

Github: [miraflynn](#)

LinkedIn: [Mira Flynn](#)

## SKILLS

### PROGRAMMING

Python • Swift • Javascript  
HTML • PHP • MySQL • Git  
MATLAB • R • OCAML • C

### PROGRAMS

VSCode • RStudio  
Spotfire • Alteryx

## COURSEWORK

### SCOPE

Six Microbes That Changed the World

Technology, Accessibility, and Design

Probabilistic Modeling

AstroStats

Science Fiction and Historical Context

Framing History Through Comics

Sustainability: Science, Society, and  
Systems

Pluralism, Paradigms, and Perspectives

Six Books that Changed the World

Principles of Integrated Engineering

Discrete Math

Computer Architecture

Complexity Science

Software Systems

Engineering Systems Analysis

User Oriented Collaborative Design

Paper Panacea

Quantitative Engineering Analysis

Foundations of Computer Science

Data Science

Democracy in Action

Microelectronic Circuits

Products and Markets

Modeling and Simulation

Sensors, Instrumentation and

Measurement

Design Nature

History of Technology

## EXPERIENCE

### INTERNSHIP | DATA MANAGEMENT AND ANALYTICS INTERN

Summer 2022 | Pfizer

- Worked to understand the business uses of project management data and create a dashboard to highlight important characteristics of the project portfolio
- Processed and visualized data to highlight important aspects for easy identification by project portfolio managers
- Learned about situations where business necessities override other characteristics in choosing software tools

### RESEARCH | QUALITATIVE INTERVIEW-BASED RESEARCH

Summer 2021 | Olin College of Engineering

- Worked with Professor Zach del Rosario to research how engineers process uncertainty in data
- Interviewed engineering students using an IRB-approved protocol
- Developed and applied a formal interview coding protocol
- Co-authored "A Qualitative Study of Engineering Students' Reasoning About Statistical Variability" (2021, Under Review)

### RESIDENTIAL RESOURCE

August 2020 – May 2022 | Olin College of Engineering

- Demonstrated leadership and initiative in helping others with personal, social, and academic needs, especially with first year students transitioning from high school to college
- Worked to develop a sense of community despite distance learning and social distancing

### DATA SCIENCE TEACHING ASSISTANT

September 2021 – May 2023 | Olin College of Engineering

- Assisted in teaching probability and statistics, programming in R, and effective visual communication of information
- Responsible for grading assignments and assisting students with questions and topics they may be confused about

### ASTRONOMY AND STATISTICS TEACHING ASSISTANT

September 2022 – December 2022 | Olin College of Engineering

- Assisted in teaching probability and statistics, programming in Python, and effective visual communication of information
- Responsible for helping students work through project roadblocks and giving assistance in scientific writing about their projects

### RESEARCH | DATA SCIENCE- SHARED MOBILITY SYSTEMS

Summer 2020 | Olin College of Engineering

- Worked with Professor Alice Paul and City of Providence to research equity in their shared mobility systems
- Discovered systemic inequities and offered insight into how the shared mobility systems could better serve the city as a whole
- Used R to model system demand and usage patterns, and data analysis techniques including linear regression, decision trees, and several clustering algorithms to compare those patterns to demographic data