

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

- Investigated 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
- Discovered situations where business necessities override other characteristics in choosing software tools

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
- Graded assignments and assisted students with questions and topics they were 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
- Helped students work through project roadblocks and assisted in scientific writing about their projects

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
- Developed a sense of community despite distance learning and social distancing

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