Mira Flynn

they/them/theirs
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EDUCATION

OLIN COLLEGE OF ENGINEERING
BS Engineering: Computing
May 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
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 – Present | 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 – Present | 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