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
BS in Computer Science
Jun 2019 | New York, NY

COURSEWORK

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

SKILLS

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

EXPERIENCE

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 – Present | 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

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
- Used Shiny and Leaflet packages to create an application to visualize and explore our model output

ASTROPHYSICS TEACHING ASSISTANT | ASTROPHYSICS PROGRAM
Summer 2018 – Summer 2020 | Riverdale Country School
- Took images of variable stars using a telescope and specialized camera, analyzed images, and read scientific papers on different types of variable stars in a 4 week program
- Helped teach the 8 person group how to use necessary software, helped teach and explain variable star behaviors, and helped design the program

PROGRAMMING TEACHING ASSISTANT | KNOWMAD PROGRAM
Summer 2017 – Summer 2018 | Riverdale Country School
- Taught middle-school students basic code in Unity (C#) and MIT App Inventor in several week-long programs. Chaperoned students on visits to tech companies and events around NYC.