

Xueyan Mu

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EDUCATION

Rice University

B.A. in Computer Science and Studio Art
Expected 05/2023
GPA: 3.77/4.00

Houston, Texas

SKILLS

Languages : Java, JavaScript, Python, C

Technologies: D3.js, Flask, Tkinter, Jupyter, Fortran, Observable Notebooks, Git

EXPERIENCE

YLaboratory

Data Visualization Intern

Houston, TX
Sept 2020- Present

- Developed interactive gene enrichment [heat map](#).
- Created Python tool to analyze data correlation between gene files.
- Self-teaching data viz tools to build increasingly complex visualizations.

Rice University Climate, Water, and Energy Lab

GUI Developer

Houston, TX
May- Aug 2020

- Collaborated with team of student developers to create [lake model GUI](#).
- Built a Python GUI to run a lake sediment Proxy System Model (PSM) in Fortran to visualize output data, in order to expand PSM usage as an accessible research and teaching tool.
- Spearheaded GUI user interface design.
- Self-taught fluency in Tkinter, Python libraries, and Git.

Client: Accelerate Palestine

Web Developer

Houston, TX
Dec 2019

- Worked with client to prettify a Python-based web application.

Appalachian Mountain Club

Hut Crew

White Mountains, NH
May- Aug 2019

- Managed a backcountry lodge at 3,600 ft. elevation as part of a six person team.
- Cooked for 60 guests twice a day, participated in search and rescue operations, gave trail advice to hundreds, packed 70+ lbs of food up mountain twice weekly.
- Educated guests about conservation, wilderness ethics, and renewable energy technology through nightly programming.

PROJECTS

Roam

Independent Web Developer

Houston, TX
Dec 2019- Mar 2020

- A Python-based web application giving a randomized local destination to walk to. An attempt to allow users to break free of the limited choice of 'filter bubble' and embrace chance, and develop a more intriguing pedestrian culture.