

Rena Repenning

linkedin.com/in/RenaRepenning (617) 513-1223 rrepenning@tulane.edu

EDUCATION

Tulane University

Bachelor of Science in Computer Science & Economics

New Orleans, LA

May 2022

EXPERIENCE

Barclays

Technology Summer Analyst

Remote

Summer 2021

- Received offer to return as a full-time developer analyst
- Analyzed and managed Workplace Collaboration technologies within Global Infrastructure Technology Services
- Created a high-level “Plan on a Page” and live project backlog to track Communications, Adoption, and learning deliverables for adoption of Microsoft products
- Participated in software development and scrum stand-ups on an automation team
- Developed Tableau usage statistic dashboards and applied findings to communications branding

Tulane University

Undergraduate Research Assistant

May 2021 – Present

- Assisted Dr. Carola Wenk with her research in computational geometry
- Focus in trajectory analysis working on data analysis and algorithm design
- Wrote Python data structures to assist in modeling Frechet distances and free space graphs
- Helped create a repository for the project while guiding fellow research assistants on Git

Teacher's Assistant for CMPS1500 and CMPS1600

September 2020 – May 2021

- Ran four weekly hours of help sessions
- Created weekly quizzes on Canvas platform for Dr. Carola Wenk
- Gave supplemental instruction on Object Oriented Programming concepts in Python, Java, C, and C++

Digital Research Intern—Developer

September 2019 – November 2020

- Worked on a scrum team using an agile framework while developing databases and websites to track and communicate Tulane University's faculty research in the social sciences and humanities
- Used AWS to prototype an artificially intelligent Amazon Alexa app
- Administered the back-end of websites in multiple platforms such as Wordpress and Wix, using CSS and HTML languages

The Broad Institute of MIT and Harvard

Cambridge, MA

Software Engineering Intern

May 2020 – September 2020

- Prepared by independently learning HTML, CSS, and JavaScript; drafted webpage to host polygenic risk calculator
- Completed various software development tickets on the Broad's COVID-19 testing pipeline using GCP, Git, and Python. Participated in code reviews and presented at daily standup meetings
- Wrote shell scripts and Python unit tests for existing Cloud Functions
- Added and tested the pipeline's sample logging capability to ensure visibility of HTTP error codes on GCP logs
- Extended internship through September to help onboard new testing sites into existing API

ACTIVITIES, LEADERSHIP, & SERVICE

Tulane Women in Technology Club—Outreach Co-Chair

2019 – Present

Newcomb Big-Little Mentorship Program—“Big”

Fall 2020

Trinity Community Center—Volunteer Tutor

2018 – 2019

AWARDS & HONORS

Grace Hopper Celebration Grant, Newcomb Institute

Fall 2020, Fall 2021

- Successful grant proposal to attend Grace Hopper Celebration 2020
- Selected as GHC Program Leader during Fall 2021, mentoring students on resume creation and networking topics

SKILLS & INTERESTS

Skills: Agile Scrum, Git, GCP, AWS, Docker, APIs, Java, Python, C/C++, HTML, CSS, JavaScript, SQL, Tableau, Web Design, Leadership, Teaching, Mentorship, Environmental and Social Justice Advocacy, Machine Learning & Artificial Intelligence