

PRIONTI NASIR

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+ EDUCATION

Rochester Institute of Technology

Bachelors of Science, Software Engineering, Minor in Digital Humanities
RIT Founders Scholarship, Honors Program

Aug. 2017 – May 2022

+ EMPLOYMENT

Backend/Data Engineer Intern

Spotify

Aug. 2021 – Dec. 2021
Boston, MA

Software Engineering Intern, The Garage

Microsoft

May 2021 – Aug. 2021
Redmond, WA

- Designed and implemented a new vertical for Bing Travel that suggests holiday destinations based on multiple user-defined criteria
- Developed a complete, production-quality API using **C#** that serves destination objects based on multiple filters efficiently
- Designed and built a feed view containing destination cards and a filter bar using **Fluent UI**
- Implemented logic to integrate the destination cards and filters with the API using **Web Components** and **TypeScript**
- Supervised development, version control and deployment in an **Agile** team of 7 interns in the role of Code Champion

Software Engineer Co-op

HubSpot

Jan. 2020 – Mar. 2020
Cambridge, MA

- Spearheaded the development of a complete search feature using **Elasticsearch** and **Java** for a data analysis tool that lets software teams simulate their upcoming features and analyze results to gauge consumer preferences
- Implemented archiving functionality and a **REST API** endpoint for the data analysis tool using **Java** and **Kafka**
- Built an interface to display clickable items that represent and describe ongoing feature simulations using **JavaScript** and **React**

Software Development Research Assistant

National Technical Institute for the Deaf

Sept. 2019 – Dec. 2019, Sept. 2020 – Apr. 2021
Rochester, NY

- Assisted in the research and development of a new metric, **ACE2**, for measuring the effectiveness of automatic captioning systems
- Developed **Python** scripts to systematize raw output produced by automatic captioning systems
- Used **spacy**, **gensim** and **word2vec** scientific libraries to evaluate AC systems using the ACE metric and the standard WER metric
- Built a minimal platform using **JavaScript** and **Python** that gathers data from virtual experiments conducted with deaf volunteers

+ SKILLS

LANGUAGES: Python, Java, C#, JavaScript, TypeScript, SQL

LIBRARIES, FRAMEWORKS AND TECHNOLOGIES: Git & GitHub, Elasticsearch, Flask, React, Node, Firebase, AWS, Azure & Azure DevOps

COURSES: Distributed Systems, Data Mining, Engineering Secure Software, Software Architecture, Web Engineering, Human-Centered Design

+ PROJECTS

spotify-sentiment-analysis [Python, flask, Spotify API, pandas, matplotlib]

<https://github.com/smellslikekeenspirit/spotify-sentiment-analysis>

built **flask** application that uses the **Spotify API** to access a user's top tracks, analyzes them and visualizes the results

Clarify [Firebase, JavaScript, node.js, React, Bootstrap, Ant]

<https://devpost.com/software/clarify-1he6ur>

a tool built using **Cloud Firestore** and **React** that facilitates interactivity in virtual learning environments

my-shell [C]

<https://github.com/smellslikekeenspirit/my-shell>

implemented shell in C that executes **UNIX** commands, uses fork-exec-wait to handle processes and keeps history

+ AWARDS

Major League Hacking Fellowship, Fall 2020, Major League Hacking x GitHub

fellows would write code for important open-source libraries and collaborate on real-world software issues

Best Activism Hack, Techacks 2020

awarded for flowerish, a game that promotes sustainability by incentivizing environmentally-friendly decisions

+ LEADERSHIP AND EXTRACURRICULARS

Events Chair, Women in STEM at RIT

planning and organizing events that allow women to network and partake in meaningful discourse about navigating STEM fields

Mentor, PrivaC

regular technical mentor for all-female hackathons and workshops organized by PrivaC, a cyber-crime countermeasures service in Bangladesh

Editor, Signatures

working as a literary editor and writer for [Signatures](#), RIT's award-winning magazine