

DIVYA VISWANATHAN

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EDUCATION

Carnegie Mellon University

Bachelor of Science in Information Systems (May 2022)

- Honors: MCS Dean's List (Fall 2019), IS Dean's List (Spring 2021)
- pursuing minor in Computer Science

Hebron High School

Graduated Class of 2019, Honor Roll

- Honors: Technology Student Association Nationals Finalist, DECA State Finalist, National Merit Semifinalist, AP Scholar

Relevant Coursework (to date):

Introduction to Computer Systems, Functional Programming, Application Design and Development, Principles of Imperative Computation, Natural Language Processing, Cryptocurrencies and Blockchains, Concepts of Mathematics, Database Design and Development, Methods for Statistics and Data Science, Fundamentals of Programming, Sound Recording

SKILLS

LANGUAGES:

C, Python, HTML, SQL, R, Unix, Ruby, Standard ML, CSS, Javascript, Typescript, Go

TOOLS/Frameworks:

MongoDB (PyMongo), Flask, Jupyter Notebook, Rails, Git, Valgrind, AWS, React, Docker

OTHER SOFTWARE:

VSCode, RStudio, ProTools, MuseScore, Adobe Photoshop, Affinity, Vertabelo, Figma, Balsamiq

EXPERIENCE

Dr. Zhang's Computational Biology Lab UTD - Intern

JUNE 2018 - AUG 2018

- used statistical methods to perform single-cell RNA sequencing (primarily at the post-transcriptional level) on cell samples (R)

Qualtrics - Software Development Intern

MAY 2021 - AUG 2021

- worked on the Conjoint Analysis product for the PX team, developing a new calculation type for the Choice Simulator
- worked on extractive summarization techniques with the Conversational Analytics ML team

PROJECTS

Notes2Notes

- a digital daily journal where writing is analyzed with user's Spotify account to generate playlist of songs that reflect emotions/thoughts by querying song lyrics from genius.com (Python, Spotify API library - Spotipy, BeautifulSoup, basic knowledge of NLP)
- showcased on CMU 15-112 website - <https://www.kosbie.net/cmu/spring-20/15-112/gallery.html>

My Spotify Behind the Scenes

- a terminal application that queries "pretend" Spotify data from listeners and artists; 10 user stories ranging from simple to complex, with the complex ones involving some aggregations or multiple queries (PostgreSQL, Psycopg2)

Huffman Your Own File

- a program that implements huffman compression to encode and/or decode a file, which can compress the program file itself (C)

LEADERSHIP

Soundbytes A Cappella Music Director

AUG 2020 - PRESENT

- plan rehearsals, arrange music, teach music to other members, work alongside other board members on administrative duties

The Cut Magazine Assistant Editor-In-Chief

AUG 2020 - PRESENT

- write/edit articles, lead meetings with the other writers and designers, discuss articles and assign them to writers

Girls Who Code

JUNE 2018 - MAY 2019

- helped establish chapter, held weekly meetings, taught basic web development and programming (HTML, Python)