

# DIVYA VISWANATHAN



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github.com/divyavis

## EDUCATION

### Carnegie Mellon University

Bachelor of Science in Information Systems (May 2023)

- Honors: MCS Dean's List (Fall 2019)
- 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:

Functional Programming, Application Design and Development, Principles of Imperative Computation, Concepts of Mathematics, Database Design and Development, Methods for Statistics and Data Science, Fundamentals of Programming, Sound Recording, Calculus I, Calculus II

## 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

### 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)