

DIVYA VISWANATHAN



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divyavis.github.io

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), GPA: 3.80
- Minor in Computer Science

Hebron High School

Graduated Class of 2019, Honor Roll

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

Relevant Coursework:

Introduction to Computer Systems, Functional Programming, Application Design and Development, Parallel and Sequential Algorithms, Database Design and Development, Principles of Imperative Computation, Natural Language Processing, Intro to Computer Music, Cryptocurrencies and Blockchains, Concepts of Mathematics, 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, GDB, Valgrind, AWS, React, Docker

OTHER SOFTWARE:

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

EXPERIENCE

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

The Pathway Initiative Inc. – Software Developer

NOV 2021 – FEB 2022

- mobile app development for a non-profit that helps underprivileged students get access to STEM education and resources (through the Develop for Good program)

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)

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 NLP)
- showcased on CMU 15-112 website for Spring '20

Spotifork

- currently working on a program which allows you to remix Spotify songs with your own sounds within an embedded web player (React, Python, Typescript)

Wikipedia QA

- question system takes in an article and generates a variety of feasible, answerable questions from the article (nltk, stanza)
- answering system takes in some questions and an article and uses the article to answer the questions in a reading comprehension style (BERT)

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 – MAY 2021

- 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)