

EXPERIENCE

FREELANCE TUTOR Varsity Tutors (2019 - Present) Nextthought/Chegg (2018 - 2019)

- Created educational content videos on topics in Advanced Physics and Mathematics
- Instructed 35+ students per semester and designed curriculums for high school and college-level courses, including Python, Data Mining, Differential Equations, Algebra, Calculus, and High School/General Physics
- Increased mean student GPA by 20 points by the end of the term

FOUNDING EXECUTIVE BOARD MEMBER Space Technology Association of Rutgers (2015 - 2018)

- Recruited over 200 students to take part in the program
- Managed social media, coordinated events, and published relevant content to raise additional awareness

PROJECTS

HOMESLICE [Website](#)

- Designed and hosted a **full stack** application that allows homeowners to share sales of their equity to investors, using **Git**, to coordinate code management between collaborators
- Utilized a **Zillow API** and median sales report filtered by zip code. Integrated a **logistic regression model**, with a 99% accurate prediction, to generate an algorithm that produces a risk adjusted high or low equity investment based on 12 years of property values
- Used **AWS, Flask, CSS Bootstrap, Python**, and a **PostgreSQL** server database to finalize the application

MUSIC WRAPPED 2019 [GitHub](#) | [Presentation](#)

- **Inspired by Spotify Wrapped** to create a similar analysis, utilizing Apple Music, Spotify, and LastFM API calls to generate current data
- Utilized Apple Music and Spotify API to showcase Top 5 tracks per country and their audio features
- **Applied Python Pandas and Matplotlib** to present data per top track, genre, and artist

BEAUTY DISCOVERY APPLICATION [GitHub](#) | [Website](#)

- Created an application that would allow consumers to filter out products based on their skin type and ingredient sensitivities
- Performed **ETL** techniques to build a database of products from Sephora and Ulta websites using **BeautifulSoup, selenium, and Pandas** libraries, then loaded onto **Postgres**
- Incorporated **RESTful APIs** to allow the frontend application to communicate with the backend database
- Used **p5.js, d3.js, JavaScript, HTML**, and **CSS** to create a dynamic and interactive application showcasing Top 10 ratings and price for various products

EDUCATION

BACHELOR OF SCIENCE, ASTROPHYSICS AND MATHEMATICS | JANUARY 2019 | RUTGERS UNIVERSITY – NEW BRUNSWICK

- Courses Included: Classical and Quantum Mechanics, Thermodynamics, Electromagnetism, Radio and Visual Astronomy, Probability and Statistics, Linear Algebra, Calculus 1-3, and Differential Equations

DATA SCIENCE CERTIFICATION | APRIL 2020 | RUTGERS UNIVERSITY

SKILLS

DATA & VISUALIZATION TOOLS: GOOGLE ANALYTICS, HTML, CSS, BOOTSTRAP, JAVASCRIPT, D3JS, NODEJS, REACT, ANGULAR, JAVA, R, TABLEAU, MATLAB, PITCH TOUCHCAST, GIT, EXCEL(MACROS), PYTHON, PANDAS, MATPLOTLIB, ETL, R, HADOOP, SPARK, MACHINE LEARNING, BIG DATA

DATABASES: SQL, MONGODB, ATLISSIAN