

# CHRISTOPHER D. TENGEY

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| <https://chrisdten3.github.io/ChrisTengeyPortfolio/> |

## EDUCATION

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**Georgetown University** | Washington, D.C. | August, 2022 - May, 2026 | *BS in Computer Science* | *BA in Mathematics*  
**North Hagerstown High** | Hagerstown, MD | August, 2018 - June, 2022 | *International Baccalaureate Diploma*

## PROJECTS

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**FoodMe:** An food redistribution app that connects food suppliers to patrons in the Georgetown community aiming to combat food insecurity in the area; Oversaw the implementation of the app's backend, integrating Firebase and Google Maps API capability; Appbuilt in Dart and Flutter

**HoyAlytics Movie Recommender System:** Created a movie recommender system by training a Word2Vec algorithm using the movie descriptions from a CSV containing over 60,000 movies; Used numpy library to vectorize each movie description so that similar movies could be found

**Medication Scheduler App:** Built scheduling app and interface encouraging users to take medication on time; Created with SwitUI and Foundation frameworks

**Lengua Language Learning System:** Worked with a colleague to construct a Python GUI and backend using Gensim and Pandas libraries to produce a Word2Vec-trained model, that helps French and Spanish language learners increase their vocabulary

**Raced-Based Epistemologies in Tech-Focused Centers:** Wrote an investigatory analysis on the intersection between racial epistemologies and the technology work sector

**Statistical Investigation on the Validity of Grade Point Averages:** Conducted a survey of over 100 students taking Math classes in North Hagerstown High School, studying the relationship between GPA and IQ through statistical means (Regression, Chi-Squared, Correlation Coefficient, Tests of independence)

## SERVICE EXPERIENCE

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**HoyAlytics** | Vice President of Analytics for Georgetown Consulting Club HoyAlytics; Wrote an article on Neural Networks and Natural Language Processing in conjunction with an independent word vectorization project; Collaborated with a case team to deliver a comprehensive analysis of sales and operations, encompassing 12 slides, along with proposing 5 specific solutions; Successfully embraced the utilization of data analytics and visualization tools within the consulting industry after completing an intensive 10-week training program.

**Georgetown Google Student Developers Club** | Implemented a Firebase backend for a community food distribution app; Integrated Google Maps API, and Geolocation to develop a predictive ML system to find a location from text, Oversaw User Sign In and Sign Up, using Firebase Authentication;

**Georgetown ColorStack** | Freshman Representative on Executive Board; Attended weekly meetings; Planned community Computer Science events aimed at minority demographic

**Maryland State Bar Association Research Intern** | Served as a member of a research team under Robert Zirkin, that prepared and curated questions for candidates precluding the Maryland Primary Gubernatorial elections; Did policy research and amalgamated data on candidates precursory to Democratic and Republican primaries

## WORK EXPERIENCE

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**Georgetown University Information Services** | Web Production Assistant | February 2023 - Present | Conducted quality assurance testing and frontend development for Georgetown University on 5 different site environments; Helped to increase and facilitate accessibility elements within sites; Facilitated editing for auto migration scripts between site environments

**Rita's Italian Ice** | Treat Team Member | June 2019 - October 2021 | Worked as a cashier and food preparer at a local Italian Ice Storefront; Opened and closed store forefront; Took drive-thru and walk-up orders; Assisted customers in preparing and delivering treats; Handled customer complaints

**Discovery Station** | Volunteer | June 2018 - August 2018 | Held an organizational role maintaining the cleanliness and professionalism of the center; Was part of a team of 4, assisted with educational activities of the day; Greeted and facilitated kids activities for ages 6-12

## SKILLS

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C++, Python, R, Git, Tableau, Swift, Dart, SQL, Linux Command Line Tools, HTML & CSS, Microsoft Suite, Basic French

## OTHER

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**Hobbies and Interests:** North Hagerstown High Varsity Soccer Captain, Washington County Senior All-Star Game Selectee

**Academic Recognition:** North Hagerstown High School Math Department Excellence Award, North Hagerstown High School Highest Honors, AP Scholar, Top 2% Class Rank, National Honor Society, Washington County Dee Lobleby Scholarship, Kiwanis Key Club Distinguished Club Member

