

EDUCATION**Duke University & Duke Kunshan University****May 2023***Dual Degree B.Sc. in Data Science, GPA: 3.59/4.0*

Durham, N.C and Kunshan, China

- Undergraduate Full Scholarship. Founder & former President of Gaming Club, Executive member of Board Game club.
- Relevant Coursework: Statistics, Linear Algebra, Data Modeling, SWE, Databases, Machine Learning, Statistical Modeling.

EXPERIENCE (See my [LinkedIn](#) for more details).**Duke University Computer Science Department****August 2022 - Present***Teaching Assistant For CS 307 & CS 308 - Advanced Software Design & Implementation*

Durham, N.C

- Held office hours for & mentored 10 students to work in teams on large codebases (Java, JavaFX, Maven, git).
- Conducted 100+ code reviews, provided specific feedback, graded assignments, conducted review sessions.

GeorgiaTech CreateX Startup Accelerator Program**May 2022 - Present***Founder And Lead Developer of VR/AR Startup*

Atlanta, G.A and Remote

- Established our VR gaming startup to create a farming VR game. Developed a playable VR demo (Unity, C#) presented to 4000+ attendees at public showcase, signed up 500+ beta testers so far for first closed beta in Summer 2023.

Duke University Sanford School Of Public Policy**June 2022 – August 2022***Research Assistant Under Dr. Nick Carnes*

Durham, N.C

- Compiled dataset of American legislature candidates for sociological dataset analysis (webscraping w/ beautifulsoup).

Rhodes Information Initiative at Duke**May - July 2022***Data+ Summer Research Assistant At Visualizing Durham Public Schools Project*

Durham, N.C

- Developed and updated an RShiny [data dashboard website](#) to visualize information of Durham public school districts for use by parents, students, teachers and school administrators (Rstudio, ggplot, Rshiny). 1000+ daily visits.

Duke University Pratt School of Engineering**Sept 2021 – June 2022***Research Assistant At [Borsuk Lab](#)*

Durham, N.C

- Compiled labeled object detection dataset of 1 million+ images of oil tanks & containers from public aerial image data (pyqt, labeling). Evaluated and fine-tuned parameters for CNN object detection model (Keras).

Duke Kunshan University - Statistics Dept**June 2020 – March 2021***Data Science Research Assistant Under Dr. Andrew MacDonald*

Remote

- Created dataset with webscraping (beautifulsoup, pandas) to compile social media conspiracy posts dataset pipeline (Hadoop).
- Applied grouped NLP sentiment analysis and time analysis in R (tidyverse) and Python to apply data visualization (matplotlib, ggplot2) to research sociological & psychological features of conspiracy creators.

AcuiZen Digital Knowledge Management**Summer 2018***SWE Intern*

Bangalore, India

- Performed data-driven competitor analyses. Updated website frontend - ~20% increase in engagement (CSS, Bootstrap).

PROJECTS**Bass Connections - Analyzing Systemic Housing Inequality, Under Dr. Thomas DeFrantz****Fall 2021**

- Created big-data large-scale microeconomic models to visualize housing inequality in Durham County (pandas, hadoop, pyplot).
- Produced a [fluid simulation visualization model](#) of racial housing inequality with historical datasets (fluidsim, pandas).

HealthCarolina - Interactive Portal For North Carolina Health Info & Statistics, Databases Final Project**Fall 2021**

- Worked in a team of 4 to compile large-scale county-based dataset to present differences in health statistics in an interactive N.C map. Includes features to find nearest health resources based on current location. [Hosted online](#) (Flask, Postgresql, MySQL).

Predicting Willingness To Vote, Duke Datathon 2021**Fall 2021**

- Used Asian Barometer dataset to make an SVM voter apathy [prediction model](#) with demographic predictors. 84% test accuracy (pandas, scikit).

Bollywood Music Generation Deep Learning Model, Under Dr. Daniel Lim**Fall 2020**

- Created [RNN model](#) and trained on Bollywood music datasets to generate Bollywood music [samples](#) (Keras, music21).

SKILLS**Spoken Languages:** English (native), French (proficient), Kannada (proficient), Hindi (elementary), Mandarin (elementary).**Programming Languages:** R, Python, SQL, C/C++, and Java.**Frameworks:** Pandas, NumPy, Matplotlib, Keras, PyTorch, TensorFlow, Flask in Py. STL in C++. Bootstrap, jQuery.**CERTIFICATIONS & AWARDS**

- GeorgiaTech's Robotech Hackathon 2022: Best Overall Hack, Second Best Design, Most Accessible Hack. 3000\$ in prizes and 5000\$ in startup seed funding.
- National Finalist, *Alibaba GET Global Startup Challenge*.
- Online Certifications: Deep Learning Specialization and Introduction to ML, *Coursera*. CS50, *EdX*.