

Gaurav Sett

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EDUCATION

Georgia Institute of Technology (Atlanta, GA)

August 2019 to May 2023

- Computer Science major concentrating in Intelligence and Theory, minors in Math and Economics
- Honors Program student with 4.0 GPA

Unionville High School (Kennett Square, PA)

August 2015 to May 2019

- High school diploma with 3.9 GPA, AP National Scholar

SKILLS & COURSES

Coding: (Programming) Python, Java, C/C++, LC-3 Assembly, Git; (Data science) SQL, Pandas, Numpy, Matplotlib, Natural Language Processing; (Web) HTML, CSS, JavaScript, React, Firebase; (Other) LaTeX

CS Courses: Data Structures & Algorithms, Objects & Design, Computer Organization & Programming

Math Courses: Linear Algebra II, Multivariable Calculus, Foundations of Proof, Honors Discrete Math

EXPERIENCE

Research Intern, Georgia Tech Research Institute (Atlanta, GA)

May 2020 to Present

- Gathering posts and comments from Reddit discussing COVID-19 vaccine conspiracies
- Modeling anti-vax language based on posts' sentiment, linguistic components, and topic content
- Built GUI application to help team of social scientists collect data from the Twitter API
- Collected 500k tweets from Congress members with COVID-19 search terms from topic models
- Used sentiment analysis with VADER to contrast partisan attitudes towards topics like masks

Research Assistant, Georgia Tech School of Public Policy (Atlanta, GA)

October 2019 to May 2020

- Conducted literature review at the Internet Governance Project on social media algorithms
- Investigated how they may amplify fake news, polarization, and radicalization in public discourse
- Collected over 100 relevant studies and wrote summary report on methodologies and findings

Intern, Inspiroz (West Chester, PA)

July 2017 to August 2017

- Reformatted HubSpot customer relations management database for technology services firm
- Set up server networks on-site at client schools and worked with client staff to reimage devices

PROJECTS

Biblio, A Notes Application (In Progress)

July 2020 - Present

- Writing web app displaying relationships between notes with similar content using React
- Creating backend API with FastAPI to authenticate, access, and modify user data
- Built machine learning recommender with Gensim LDA topic model, grouping notes by word similarity

Aura, An Accessible Oscilloscope (github.com/settgaurav/aura)

October 2019

- Built oscilloscope desktop app, graphically displaying audio from user input with AudioKit framework
- Used linear transformations to plot sine, cosine, square, and sawtooth waves from audio files

AWARDS

Speech & Debate: 5th in Public Forum Debate at 2019 NCFL Grand National Tournament, 1st in Parliamentary Debate at 2018 PA State Tournament