

# Cullen Anderson

646-673-6948 | [culleyanderson@gmail.com](mailto:culleyanderson@gmail.com) | [linkedin.com/in/culleyanderson](https://www.linkedin.com/in/culleyanderson) | [github.com/cullena20](https://github.com/cullena20) | [cullenanderson.com](https://cullenanderson.com)

## EDUCATION

### University of Massachusetts, Amherst

Amherst, MA

*BS in Computer Science, BS in Pure Math*

*Sep. 2022 – Expected: May 2025*

- GPA: 3.937
- Relevant Coursework: Data Structures, Theory Of Computation, Reasoning Under Uncertainty, Programming In C, Abstract Algebra, Object Oriented Programming (A), Calc 3 (A), Linear Algebra (A)

### Stuyvesant High School

NY, NY

*Stuyvesant Endorsed Diploma*

*Sep. 2018 – June 2022*

- SAT: 1550, AP Calculus BC: 5, AP Physics C - Mechanics: 5, AP Physics C - EM: 5, AP Physics 1: 5, AP Chemistry: 5, AP World History: 5, AP US Gov Pol: 5
- Post AP Courses: Multivariable Calculus, Math Of Quantum Mechanics

## EXPERIENCE

### Undergraduate Research Assistant

January 2023 – Present

*Initiative For Digital Public Infrastructure*

*Amherst, MA*

- Working on Gobo, a social media aggregator that allows user to view Twitter, Reddit, and Mastodon posts from one location and puts the algorithm in their control.
- Leading deduplication project. Using APIs, pandas, and pickle to create dataset from social media posts; designing and implementing intricate duplicate rules in Python.

### Software Developer

Feb. 2023 – Present

*BUILD UMass*

*Amherst, MA*

- Work in teams to develop software for nonprofits and local businesses towards the goal of computer science for the common good.
- Dedicate 4 hours a week to plan software projects, develop code in teams using the AGILE framework, and work with clients.

### Intern

Mar. 2021 – Feb. 2022

*EPIC, Columbia University*

*NY, NY*

- Worked collaboratively to write and edit an intro film to EPIC's research. Worked under the supervision of founding director Dr. Xiaodong Lin and assistant director Dr. Daoquan Li.
- Analyzed interview data of Nobel Prize winning scientists and Olympic athletes in a small team under supervision of a PhD candidate. Used data to develop scripts to be used for research purposes.

### President Of Machine Learning Club

Oct. 2021 – June 2022

*Stuyvesant High School*

*NY, NY*

- Lead discussions and lectures to teach members about artificial intelligence.
- Planned and taught lessons about topics including: the math behind neural networks, coding machine learning models in Python using Keras, and future applications of AI.

### Film Fellow

June 2021 – Jan. 2022

*Ghetto Film School*

*NY, NY*

- Directed, wrote, and edited a four minute non-dialogue film titled "Aurora Borealis". Responsible for leading a small film crew and for casting and directing actors.
- Selected as part of a class of 30 in a selective, free film program.

## PROJECTS

### Reddit Sentiment Analysis | *Python, Flask, ML, Reddit API, HTML/CSS*

- Implemented ML sentiment analysis model on web application using Flask. The website allows users to perform sentiment analysis on Reddit Subreddits.
- Trained sentiment analysis model to perform sentiment analysis on Reddit post titles.
- Used Reddit API to pull Reddit posts for this application.

### Velocity Selector Game | *Javascript, HTML/CSS*

- Developed an online physics simulator game to teach students about the concepts of projectile motion, electric fields, and magnetic fields.