

JOSH MEIER

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EDUCATION

University of Colorado Boulder
Majoring in Bachelor of Arts in Computer Science
Minor in Mathematics

August 2017 - Pres

PROJECTS

Sentiment Analysis AI (Python)

Created logistical regression AI using a large labeled data set of reviews from various yelp locations. Allowed edge cases of sarcasm, and dealt with faulty data and management of labeling. Used N-grams as parsing method for data which resulted in a accuracy of $78\% \pm 12\%$.

Magic the Gathering Card Visualization Database (JS, NodeJS, HTML)

Designed, implemented, and hosted a full stack project to create a search engine for Magic the Gathering Cards. Used dynamic API calls to populate front end while paginating API queries. Used HTML and Bootstrap to create a easily understandable UI.

Magic the Gathering Sorted Database (C++) - Group Project

Lead and managed a project to organize 10,000 Cards in a database by multiple metrics. Individually designed and implemented an algorithm utilizing the projects database, that changed a binary search tree connected to a hash table into a max heap connected to a hash table, and reduced the search time for the most common colors to $O(1)$.

SKILLS

Languages	C/C++, Python & Java (Proficient), JS (Working Knowledge), Scala(Exposure)
Development Tools	Visual Studio, Eclipse, Pycharm, TensorFlow (Exposure)
Software & Tools	Latex, Git, PostgreSQL
Math	Probability, Graph Theory, Advanced Calculus, Statistics
Other	HTML, CSS & MS Office, Regex, Linux/Unix

WORK EXPERIENCE

College Math Tutor *2016 - 2017*
Tutored individuals in Differential Calculus and below.

Video game startup *December 2019 - pres*
Worked in a agile SCRUM environment to produce working code tied to NPC conversations.

food app startup *May 2020 - Pres*
Worked in a agile environment to produce scraped recipes and paired foods with nutritional values.

EXTRA-CURRICULAR

Leader of a small group focused on preparing for coding interviews.
Lead two group projects in spring 2020 focused on app development and a web app development.
Focused on helping a wide range of students build and maintain websites and resumes.
Participant of University of Colorado Boulder Hackathon 2019-2020.
Tutor for high school students 2020-pres