

## Education

Emory University, Atlanta, GA

May 2020

*Bachelor of Science, Computer Science and Mathematics (Double Major)*

GPA: 3.94/4.00

Courses: Artificial Intelligence, Data Mining, Database Systems, Data Structures & Algorithms, Linear Algebra, Multivariable Calculus, Risk & Uncertainty (Behavioral Economics), Computer Architecture, Probability & Statistics

## Skills

**Coding Languages:** Proficient in Java, Python, JavaScript; Familiar with SQL, C, PHP, HTML/CSS

**Other:** MongoDB, React/Redux, Linux/CentOS, jQuery, Jupyter, Sublime, Eclipse, Scikit-learn, Excel

## Experience

**Deep Learning Vision Researcher**, REU recipient

May 2018 – Present

*University of Miami, Coral Gables, FL*

Neural processing of visual scenes with large-scale deep neural networks, work with models that integrate deep convolutional networks with approaches for learning divisive normalization

**Teaching Assistant**

January 2018 – May 2018

*CS377 – Database Systems, Emory University*

Assist with the grading and curriculum planning of an undergraduate class of 60 students

Tutor students during office hours every week on relational database(MySQL) concepts/questions

**Undergraduate Researcher**

September 2017 – May 2018

*Scholarly Inquiry and Research Program, Emory University*

Participate in data science/machine learning competitions, present findings and present on machine learning techniques and algorithms to research group; research in natural language processing

Used Tf-idf/LDA topic modelling to preprocess clinical text on genetic mutations and used ML models like Naïve-Bayes and Random forest to classify each; automate gene variation classification

**Web Developer**

August 2017 – Present

*FetchMi, Atlanta, GA*

Work with a team of 5 to develop website for service platform startup.

Perform simple MySQL database management/queries and minor front-end debugging.

## Projects

**Emorycoursecritique – professorsaid.com**

November 2017

Led a team of 5 students with Agile methodologies, created a course rating website for Emory built on Node.js; organized and coordinated scrum team activities and maintained project artifact

Developed and designed site frontend with React/Redux and developed backend search algorithms and filters with MongoDB's aggregation framework

**Course Planner**

April 2017

Built web application on the LAMP stack for helping students plan their 4-year course load for efficient degree completion

**Checkers AI**

November 2016

Created checkers AI in Java implementing a MinMax algorithm, high win rate against casual player

## Leadership and Community Engagement

**Development Director**

September 2017 – Present

*Data Science Club, Emory University*

Develop club by reaching out to and discussing with external organizations to identify opportunities of collaboration for data driven solutions; develop relationships with non-profits and other groups

## Honors

Dean's List

December 2016 – December 2017

National AP Scholar Award

June 2016