

## Education

Emory University, Atlanta, GA

May 2020

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

GPA: 3.94/4.00

Courses: Data Structures & Algorithms, Artificial Intelligence, Machine Learning, Computer Security, Database Systems, Data mining, Computer Science Practicum, Linear Algebra, Multivariable Calculus, Probability & Statistics

## Skills

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

**Other:** MongoDB, React/Redux, React Native, TensorFlow, Jupyter, Scikit-learn, Excel

## Experience

**Deep Learning Vision Researcher**, REU recipient

May 2018 – July 2018

*University of Miami, Coral Gables, FL*

- Propose and investigate methods of improving image recognition under a low contrast environment
- Train large-scale deep neural networks, improve accuracy of base model by ~4% with low contrast images by integrating approaches for learning divisive normalization with convolutional neural networks

**Teaching Assistant**

January 2018 – Present

*CS557 – Artificial Intelligence, CS377 – Database Systems, Emory University*

- Assist with the grading and curriculum planning of an undergraduate/graduate class of 60 students
- Tutor students during office hours every week on relational database(MySQL) concepts/questions

**Machine Learning Researcher**

September 2017 – May 2018

*Scholarly Inquiry and Research Program, Emory University*

- Build a model that classifies whether a gene variation may contribute to tumor growth; model is trained from clinical text associated with pre-classified variations
- ~60% accuracy in predicting 9 classes of tumor growth

**Web Developer**

August 2017 – April 2018

*FetchMi, Atlanta, GA*

- Collaborate with a team of 5 to develop website for service platform startup, perform MySQL database management and queries and front-end debugging

## Projects

**Emorycoursecritique – [professorsaid.com](https://professorsaid.com)**

- Created a course rating website for Emory (~300 users) built on Node.js; led a team of 5 students with Agile methodologies, 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

**SmartAlarm – [link](#)**

- Created an Android app that analyzes whether the user is asleep or not after an alarm based on phone movement and starts up the alarm again if the user is asleep again

**Course Planner**

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

**Checkers AI**

- 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 relationships with non-profits and other groups; reach out and discuss with external organizations to identify opportunities of collaboration for data driven solutions