

# Colin Jiang

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## 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, Comp. Sci. Practicum, Discrete Structures, 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 convolutional neural networks and integrate approaches for divisive normalization
- Improve accuracy of base model by ~4% for low contrast images

**Teaching Assistant**

January 2018 – Present

*CS557 – Artificial Intelligence, Emory University*

- Grading for a graduate class of 40 students, provide project development support for students in office hours

*CS377 – Database Systems, Emory University*

- Grading and course planning of an undergraduate class of 60 students
- Tutor students during office hours on relational databases(MySQL)

**Machine Learning Researcher**

September 2017 – May 2018

*Scholarly Inquiry and Research Program, Emory University*

- Built a model that classifies whether a gene variation may contribute to tumor growth
- Aim to Improve bottleneck for cancer treatment; ~60% accuracy in predicting 9 classes of tumor growth

**Web Developer**

August 2017 – April 2018

*FetchMi, Atlanta, GA*

- Collaborated with a team of 5 to launch/develop website with 1000+ users for service platform startup

## Projects

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

- Led a team of 5 students in designing and developing a course rating system; incorporated Agile methodologies
- Developed and designed frontend with React/Redux and developed backend search algorithms with MongoDB
- Launched the website for Emory students with 300+ users

**SmartAlarm** – [bit.ly/SmartAlarmApp](https://bit.ly/SmartAlarmApp)

- 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

**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