

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 deep neural networks, improve accuracy of base model by ~4% for 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

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

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

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