Colin Jiang

colin.jiang@emory.edu | 908 548 5048 | colin-jiang.github.io

Education

Emory University, Atlanta, GA   May 2020
Bachelor of Science, Computer Science and Mathematics   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, cover lectures for professor and tutor students during 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
- 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
- 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