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 (Double Major)   GPA: 3.94/4.00
Courses: Artificial Intelligence, Machine Learning, Computer Security, Database Systems, Data Structures & Algorithms, Data mining, Linear Algebra, Multivariable Calculus, Risk & Uncertainty (Behavioral Economics), Probability & Statistics,

Skills

Coding Languages: Proficient in Java, Python, JavaScript; Familiar with SQL, C, PHP, HTML/CSS
Other: MongoDB, React/Redux, React Native, Linux/CentOS, jQuery, Jupyter, Sublime, Eclipse, Scikit-learn, Excel

Experience

Deep Learning Vision Researcher, REU recipient   May 2018 – July 2018
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 – Present
CS425 – Artificial Intelligence, 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 – 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
Created a course rating website for Emory 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 efficient 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 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