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: Artificial Intelligence, Data Mining, Database Systems, Data Structures & Algorithms, Linear Algebra, Multivariable Calculus, Risk & Uncertainty (Behavioral Economics), Computer Architecture, Probability & Statistics

Skills

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

Experience

Deep Learning Vision Researcher, REU recipient   May 2018 – Present
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 – May 2018
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 – Present
FetchMi, Atlanta, GA
Work with a team of 5 to develop website for service platform startup.
Perform simple MySQL database management/queries and minor front-end debugging.

Projects

Emorycoursecritique.com   November 2017
Led a team of 5 students with Agile methodologies, created a course rating website for Emory built on Node.js; 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

Course Planner   April 2017
Built web application on the LAMP stack for helping students plan their 4-year course load for efficient degree completion

Checkers AI   November 2016
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

Honors

Dean's List   December 2016 – December 2017
National AP Scholar Award   June 2016