Colin Jiang

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Education

Emory University, Atlanta, GA   May 2020
Bachelor of Science, Computer Science and Mathematics (Double Major)   GPA: 3.94/4.0
Courses: Database Systems, Data Structures & Algorithms, Artificial Intelligence, Computer Science Practicum, Data Mining, Linear Algebra, Multivariable Calculus, Economics: Risk & Uncertainty

Skills

Coding Languages: Proficient in Java, Python, JavaScript; Familiar with SQL, PHP, HTML/CSS
Tools/Libraries: MongoDB, React/Redux, jQuery, Scrapy, Jupyter, Sublime, Eclipse, Scikit-learn

Experience

Teaching Assistant   January 2018 – Present
CS377 – Database Systems, Emory University
Assist with grading and curriculum planning of undergraduate class of 65 students
Tutor students during office hours every week; go over relational database concepts/questions

Undergraduate Researcher   September 2017 – Present
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 text 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 at Emory, web app was built from scratch without frameworks

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

Additional Skills

Fine Arts: Sketch and Charcoal (7 years)   *Interests:* Tennis, Web Design, UI/UX