Colin Jiang

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EDUCATION:

Emory University, Atlanta, GA   May 2020
Majors: Bachelor of Science, Computer Science and Mathematics (Double Major)
Cumulative GPA: 3.94/4.0

Relevant Coursework: Database Systems, Data Structures & Algorithms, Artificial Intelligence, Computer Science Practicum, Data Mining, Linear Algebra, Multivariable Calculus, Economics: Risk & Uncertainty

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:

CS377 Database Systems, Emory University   January 2018 – Present
Teaching Assistant
- Assist with grading and course planning of undergraduate class of 65 students
- Tutor students during office hours every week and answered questions on online forum, Piazza

Scholarly Inquiry and Research Program, Emory University   September 2017 – Present
Undergraduate Researcher
- Participate in data science/machine learning competitions, present findings and give lectures on machine learning techniques and algorithms to research group; research in text processing
- Used Tf-idf/LDA topic modelling to preprocess clinical text on a genetic mutation and used ML models like Naïve-Bayes and Random forest to classify each; automate gene variation classification

FetchMi*, Atlanta, GA*   August 2017 – Present
Web Developer
- Work with a team of 5 to develop website for service platform startup; design database queries
- Create social media designs and marketing strategies for different events to gain user traction

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:

Data Science Club*,* Emory University   September 2017 – Present
Development Director
- 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 – May 2017
National AP Scholar Award   June 2016

ADDITIONAL SKILLS:

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