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Amruta Yelamanchili

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PROFESSIONAL EXPERIENCE

InterACT Lab, Berkeley, CA

Undergraduate Researcher, August 2016 - Present

- The Interactive Autonomy and Collaborative Technologies Lab studies algorithms for human-robot interactions under Professor Anca Dragan.

UC Berkeley Electrical Engineering and Computer Science Department, Berkeley, CA

Teaching Assistant, May 2015 - Present

- Currently teaching CS 186/286A - Database Systems. Past courses are CS 61BL - Data Structures, CS 10 - The Beauty and Joy of Computing, and CS 375 - Teaching Techniques for Computer Science. Responsibilities include teaching discussion and lab sections, holding office hours, and writing and grading exams, homeworks, and projects.

Athenahealth, San Francisco, CA

Software Engineering Intern, May 2016 - August 2016

- Worked on the search team for the #1 rated medical reference application Epocrates, which is used by half of all doctors in the United States. Created a proof-of-concept chatbot that may be used in future versions of the application.

EDUCATION

University of California, Berkeley, Berkeley, CA

- *Computer Science and Applied Math,* Graduation Date December 2017, GPA 3.863, EECS Honors Program
- Completed Coursework - Data Structures, Machine Structures, Artificial Intelligence, Algorithms, Machine Learning, Databases, Information Devices and Systems, Linear Algebra, Abstract Algebra, Discrete Math and Probability
- In Progress Coursework - Operating Systems, Numerical Analysis

PROGRAMMING EXPRIENCE

Languages

- Proficient In - Java, Python, Clojure, SQL; Experience With - HTML/CSS, C, Matlab, ROS

Projects

Epi Chatbot (Clojure, Java, HTML/CSS, Javascript, OracleSQL)

- Created a chatbot for Epocrates to be used by doctors in aiding the prescription of drugs based on a patient's insurance and diagnosis of conditions. Worked on the full stack from indexing and searching over medical data based on input queries, messaging over a Kafka server, and creating a user interface.

Simple Database (Java)

- Wrote a functioning database for the database systems class at Berkeley for students to improve upon as projects throughout the course.