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CHRISTINA LIN

Education

University of California, Berkeley
Major: Computer Science
Standing: Junior
GPA: 3.938

Relevant Coursework:
Algorithms | Data Structures | Principles & Techniques of Data Science | Structure and Interpretation of Computer Programs | Computer Architecture | Probability | Linear Algebra

Experience

Undergraduate Researcher - Berkeley Artificial Intelligence Research Lab **Fall 2017 - Present**
- Working on a project with post-doc Roberto Calandra that focuses on robotic learning with tactile sensoring
- Studied Stanford courses CS229 on machine learning and CS231n on neural networks as poart of the Pre-AI Researchers (PAIRS) program

Undergraduate Researcher - University of California, Berkeley SMART Program **Summer 2017**
- Processed tomography data using ImageJ software, classifying different phases of material trapped in pumice
- Co-authored a paper in the earth sciences that is in the process of publication

Group Tutor - University of California, Berkeley, EECS Department **Spring 2017**
- Tutored groups of up to five people twice per week and helped develop tutoring material for the Foundations of Data Science course at Berkeley
- Topics include inference, A/B testing, regression, k-nearest neighbors classification, and python

Data Analyst Intern - Shanghai Showlinx Technology co. **Summer 2016**
- Performed data analysis and visualization on transportation data collected
- Created an automated analysis web application using python and flask

Projects

BearMaps
Implemented the back-end of a route-finding application with Java by implementing a graph data structure and then implementing an A* algorithm to find the best path.

Guessing Wizards' Ages
Provides an optimal ordering of wizards based on tuples of 3 wizards (A, B, C) s.t. wizard C's age is not between the ages of A and B. Our solution reduced a portion of the problem to SAT and then used gradient descent-like strategies to opitmize the ordering.

House Price Predication
Supervised learning algorithm using least squares regression to predict housing prices in Ames, Iowa. Extensive visualization and exploration of the data was also performed prior to feature selecting. Completed in python.

Activities

Director of Finance - FEMTech
- Handle fiscal and monetary resources for FEMTech
- Responsibilities include monthly statements, reimbursements, and fundraising

Social Committee Member - Upsilon Pi Epsilon, Berkeley Chapter
- Plan and organize social events for Berkeley's UPE chapter

Skills

- Proficient in: Python
- Working knowledge of: Java, SQL
- Basic understanding of: HTML, CSS