

Jili (Jenny) Wang

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Education

University of California at Berkeley, Berkeley CA

Expected graduation: Dec. 2019

Bachelors in Computer Science and Business Administration | GPA 3.92

Coursework: Algorithms, Databases, Data Structures, Computer Architecture, The Structure and Interpretation of Computer Programs, Discrete Mathematics and Probability, Calculus, Linear Algebra and Differential Equations, Corporate Finance, Spreadsheet Analysis and Modelling, Microeconomics, Financial Accounting

Experience

Undergraduate Student Instructor, UC Berkeley College of Engineering

Aug. 2017-Present

- Design and teach weekly discussion and laboratory sections to 40 students on functional programming, data abstraction, object-oriented programming and interpreters (COMPSCI 61A- Fall, Spring, and Summer)
- Collate and review concept explanations and practice problems into discussion packets and lab assignments
- Assist with supervision of infrastructure and autograder for grading lab and homework assignments
- Organize and create supplementary learning material and review sessions in preparation for exams

Lead Undergraduate Student Instructor, UC Berkeley Haas School of Business

Jun. 2018- Aug. 2018

- Designed and taught biweekly seminars to 65 students on securities valuation, capital budgeting, and portfolio theory
- Taught spreadsheet modelling and analysis to supplement lecture concepts
- Created grading rubric for homework assignments and exams
- Established infrastructure for efficient distribution, collection, and grading of assignments

Treasurer, Cal Triathlon

Apr. 2017 – Apr. 2018

- Oversaw financial transactions totalling over \$100000 from memberships, races, training camps, and sponsorships
- Generated revenue and expenditure forecasts to ensure cash liquidity
- Applied for grants from USA triathlon and allocation from Berkeley Rec Sports totalling around \$8000

Business Development Intern, SportsLab

May 2016 – August 2016

- Developed SportsLab's value proposition by interviewing firms in sports goods, teams, and nutrition industries
- Created ad revenue model between businesses and specific user groups, including the San Francisco 49ers and East Bay high school users

Projects

Running route finder

Jul. 2018

- Used OpenStreetMap and OpenRouteService API to implement route generator for running
- Given region, type of facility (bakeries, water fountains, parks), and number of facilities, generates shortest cycle that travels through all identified facility within region

Databases

Mar. 2018

- Built relational database management system for SQL, implementing B+ tree and joins for efficient data fetching
- Utilized cost estimation and Selinger-style optimization to improve query performance
- Implemented lock manager to enable concurrency control

Volunteer

Library Program Volunteer, Scientific Adventures for Girls

May 2016 – Present

- Partnered with the Lawrence Hall of Science to learn about effective ways to teach science to K-5 students
- Assisted with science workshops by facilitating activities and teaching concepts at Oakland Public Library on bi-monthly basis
- Developed improvements for program by reviewing facilitator guides and streamlining workshop logistics

Language and Technical Skills:

Language- English: fluent, Chinese: fluent, German: conversational

Programming languages- Python: proficient, C: proficient, Java: proficient, SQL: proficient, HTML/CSS: familiar, Lisp: familiar

Sporting interests- triathlon, running (completed 6 half marathons, 1 marathon, training for Boston marathon in 2019), gymnastics (USA Level 9 Gymnastics), soccer