Emily Xu

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EDUCATION

University of California - Berkeley *Junior*   May 2019
* Bachelor of Arts in Computer Science, Bachelor of Arts in Economics
* **GPA:** 3.5
* **SAT:** 2370 (800 R, 800 W, 770 M)

WORK EXPERIENCE

Federal Deposit Insurance Corporation (FDIC) *Economic Analyst Intern*   May 2017 – August 2017
* Evaluated economic and banking data to identify and limit financial risks to FDIC insured institutions
* Produced charts, presentations, and reports used in nation-wide bank regulation conferences
* Automated and standardized intern duties, increased efficiency by 30%

Kirusa Inc. *Data Analytics Intern*   June 2016 – August 2016
* Executed user similarity and social network analysis on InstaVoice App usage data (Python, SQL)
* Developed a recommendation system (Python) that increased subscription revenue from 3% to 50%
* Devised nearest neighbor algorithm based on locality sensitive hashing, improved runtime by 97%

University of California - Berkeley *Student Instructor*   January 2016 – Present
* Taught weekly course about classroom management (Education 198) to over 30 students
* Facilitated student understanding of trends, special topics, and best practices in education

ACTIVITIES & LEADERSHIP

People's Test Preparation Service *Executive Director*   May 2017 – Present
* Managed a 40-person non-profit organization, provided free SAT prep to 200+ low-income students
* Constructed new Reading and Writing curriculum, increased average student test score by 100 points
* Directed a 7-person officer board and conducted weekly board meetings, maintained relationships with clients, sponsors, site partners, and campus organizations

DiversaTech Consulting *Tech Consultant/Project Manager*   January 2017– Present
* Built an interactive chatbot that dispersed agricultural information to farmers in West Bengal, India
* Pulled and parsed data from APIs and used it to train our machine learning API to answer questions

Data Science Society at Berkeley *Data Analyst*   January 2017 – August 2017
* Assembled API data, implemented statistical and econometric models (Pandas Python) to study loan popularity in partnership with microfinance non-profit Kiva Microfunds
* Optimized borrower profiles based on results, increased loan dollars received per day by 10%

SKILLS
* Programming Languages: Python, Java, SQL, C, JavaScript, HTML
* Software: Excel, Powerpoint, Adobe Photoshop, Adobe Illustrator, Stata, LaTeX
* Economics Coursework: Econometrics (140), Statistics (Stats 20), Financial Economics (136), Micro/Macro Economics (100A/B)
* Computer Science Coursework: Artificial Intelligence (188), Data Structures (61B), Computer Architecture (61C)