

SAM WU

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EDUCATION

University of California, Berkeley

Expected: **May 2021**

B.A. in *Computer Science*, B.A. in *Statistics*

GPA: **3.72**

Relevant Coursework:

- **Software:** Operating Systems, Algorithms, Data Structures, Program Structures, Techniques of Data Science, Foundations of Data Science
- **Math:** Discrete Math, Probability, Multivariable Calc., Linear Algebra; **Hardware:** Computer Architecture, Information Devices/Systems

Projects:

- Created 2D world game with Abstract Window Toolkit and IO API and StdDraw library in Java (win/loss algorithm, UI, special features)
- Web mapping application that uses real-world mapping data and Dijkstra's algorithm to compute routes (includes autocomplete system)

SKILLS

- **Programming:** Python, Java, C, Swift, SQL, HTML + CSS, JavaScript, RISC-V
- **Typesetting:** Markdown, LaTeX
- **Video Editing:** Vegas Pro, AutoCAD, Adobe Creative Cloud
- **Languages:** Mandarin, English, French, Japanese

PROFESSIONAL / RESEARCH EXPERIENCES

FOUNDATIONS OF DATA SCI. (DATA 8) COURSE STAFF | UC Berkeley, Berkeley, California

Undergraduate Student Instructor

Jan. 2018 – Present

- Teach Lab Sections (~30 students) as a TA, hold weekly Office Hours, wrote exam questions, proctor and graded exams, and etc.
- Build and publish lab assignments on JupyterHub and managing all matter related to lab as a member of the Content Team.

DATA 8X EXTERNAL PEDAGOGY AND PLATFORM TEAM | Berkeley, California

Course Administrator, Director of Staff

Sept. 2018 – Present

- Responsible as the point of contact and administrator for the Data 8X Edge program (for community colleges including SJCC)
- Manage the forum and verifying and preparing the release of lab and homework assignments for Data 8X and Edge (40,000+ students)
- Organize social and professional events within the External Team and handle all matters related to logistics and recruitment

GOODLY LABS | UC Berkeley, Berkeley, California

PUBLIC EDITOR Project Researcher, Developer, and Treasurer on the Board of Directors

Jan. 2018 – Present

- Developed responsive websites for Goodly Labs and the *Liberating Archives* Project using Bootstrap 4; developing *Public Editor* iOS app
- Formulated and implemented an algorithm to quantify the reliability of an article in regards to the severity of its mis/disinformation
- Keep up-to-date records as well as an audit trail for all transactions; reviewing and reporting all internal financial processes weekly
- Establish and promote the Goodly brand as a Marketing/PR Team member by pushing for recruitment and updating online content

CISCO SYSTEMS, INC. | San Jose, California

SWE Extern in Enterprise Networking Group (ENG)

Mar. 2018

- Learned the basics of automation in TCL and pyATS and the processes of modern networks run on Cisco's testbed hardware and platforms
- Shadowed Network Engineers from the Development Team and the Development Testing Team; witnessed their work and Cisco's culture

VOLUNTEER / LEADERSHIP EXPERIENCES

ASCEND BERKELEY CHAPTER | UC Berkeley, Berkeley, California

Social Committee Chair

Sept. 2017 – May 2018

- Planned and facilitated retreat, social activities, and banquet for the entire organization (60+ people)
- Promoted and attended professional events such as BDO Office Tour, PwC Office Tour, EY Roundtable, etc.

ECO TEAM | Pacific Spirit Regional Park, Vancouver, BC

Team Leader

May 2014 – May 2017

- Coordinated forest preservation projects (Holly Haul & Ivy Pull) under the Pacific Spirit Park Society and Metro Vancouver
- Led parties of volunteers (~4) and ensured their safety by surveying the potential hazards of the site before carrying out the tasks

INTERESTS

Athletic: Cross Country, Swimming, Kendo, Yoga, Equestrianism

Music: Piano, Baritone, Trumpet