

SAM WU

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EDUCATION

University of California, Berkeley

Expected: **May 2021**

Bachelor of Art in Computer Science, Statistics

GPA: **3.72**

Relevant Coursework:

- Program Structures; Data Structures; Computer Architecture; Discrete Math; Probability Theory; Multivariable Calculus; Linear Algebra
- Foundations of Data Science; Principles and Techniques of Data Science; Information Devices & Systems; Operating Systems; Algorithms

Projects / Achievements:

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

Programming Language / Video Editing / Others:

- Python, Java, C, Swift, SQL, HTML + CSS, JavaScript; RISC-V; Vegas Pro; AutoCAD; Adobe Creative Cloud; Markdown, LaTeX

WORK / INTERN / EXTERN / RESEARCH EXPERIENCES

CISCO SYSTEMS, INC. | San Jose, California

SWE Extern in Enterprise Networking Group (ENG)

Mar. 2018

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

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
- Establishing and promoting the Goodly brand as a Marketing/PR Team member by pushing for recruitment and updating online content
- Keeping up-to-date records as well as an audit trail for all transactions; reviewing and reporting all internal financial processes weekly

DATA 8 COURSE STAFF | UC Berkeley, Berkeley, California

Undergraduate Student Instructor (uGSI), previously Course Tutor

Jan. 2018 – Present

- Teaching Lab Sections (~30 students) as a TA, holding weekly Office Hours, wrote exam questions, proctored and graded exams, and etc.
- Building and publishing 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

edX Course Administrator

Sept. 2018 – Present

- Responsible as the point of contact and administrator for the Data 8X Edge program (for community colleges including SJCC)
- Managing the forum and verifying and preparing the release of lab and homework assignments for Data 8X and Edge (40,000+ students)

CDM INVESTMENT SOLUTIONS | Downtown, Vancouver, BC

Market Surveyor

June 2014 – Sept. 2014

- Employed by *CDM Investment Solutions* (a start-up) to gather data on the preferences and beliefs of different kinds of investors
- Interviewed investors and business people of different backgrounds about their opinions on and experiences with ETFs and mutual funds

VOLUNTEER / LEADERSHIP EXPERIENCE

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

SKILLS & INTERESTS

Language / Hobbies: fluent in Mandarin, English, and French; learning Japanese; Cross Country, Kendo, Yoga, Piano, Equestrianism