

# SAM WU

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## EDUCATION

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University of California, Berkeley

Expected: **May 2021**

*Bachelor of Art in Computer Science, Statistics*

GPA: **3.72**

### Relevant Coursework:

- Program Structures (CS 61A); Data Structures (CS 61B); Computer Architecture (CS 61C); Discrete Math & Probability Theory (CS 70)
- Foundations of Data Science (Data 8); Principles and Techniques of Data Science (DS 100); Information Devices & Systems (EE 16A)

### 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

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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

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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

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