Alan Sun

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EDUCATION

Williams College — B.A. in Computer Science & Statistics | **GPA: 3.75**   Expected May 2023

Coursework:
- **CS:** Data Structures & Advanced Programming, Principles of Programming Languages
- **Math/Stats:** Applied Statistical Modeling, Linear Algebra, Discrete Math, Multivariable Calculus

Languages & Technologies: Java, JavaScript, Python, Scala, R, SQL, HTML, CSS, React, Bootstrap, Git

EXPERIENCE

Web Developer | Wave Learning Festival — Remote   August 2020 - October 2020
React, JavaScript
- Built a new tutor dashboard for online education platform wavelf.org, servicing over 10,000 students worldwide.
- Maintained CMS used by operations & data teams to access and edit the database (GraphQL on DynamoDB).
- Collaborated with a team of ten to sort through feature requests, address bugs, and attend weekly sprints.

Calculus II Teaching Assistant | Williams College — Williamstown, MA   August 2020 - Present
- Lead TA help sessions twice a week reinforcing topics like the Fundamental Theorem of Calculus, integration by parts, Euler's Method, etc.

UI/UX Design Intern | Spendlab.org — Remote   July 2020 - October 2020
HTML, CSS, JavaScript
- Conducted usability tests with 10 professors and lab managers from across the United States.
- Wrote complete software documentation based on results gathered from user research.
- Improved the software's interface and designed a new view-toggling component with Figma.

Research Scholar | NJ Governor's School in the Sciences — Madison, NJ   July 2018
- Performed psychology research focusing on cognitive illusions and helped write final research paper.
- Took computer science lab course regarding cellular automaton.

PROJECTS

Williams College Ultimate Frisbee — www.williamsultimate.com   August 2020
HTML, CSS, Bootstrap
- Lead developer of the new official website for the Williams College Ultimate Organization, featuring virtual recruitment efforts necessary during the COVID-19 pandemic.

Formulacademy — alansun25.github.io/formulacademy   July 2020
HTML, CSS, JavaScript, Bootstrap
- Created a website that contains a free library of mathematical, scientific, and economic formulas and calculators.

ORGANIZATIONS

DataLab — Co-chair   September 2020 - Present
- Co-founded a student organization centered around making data science more accessible and inclusive at Williams College.

Williams Students Online — Frontend Developer   August 2020 - Present
React, JavaScript
- Active member of the frontend team in charge of developing redesigned school website, wso.williams.edu, used by 2000+ students each year.

Williams Men's Ultimate Frisbee — Treasurer   September 2019 - Present
- Create and submit budget proposals, manage team bank account, and organize alumni fundraising campaigns.
- Participate in practices, lifts, and regional tournaments.