

Alan Sun

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Education

Williams College

Williamstown, MA • Expected May 2023

Bachelor of Arts - Computer Science and Statistics

Relevant Coursework: Data Structures (Java), Algorithm Design & Analysis, Programming Languages (Java, Scala, TypeScript), Applied Statistical Modeling (R), Relational Databases (SQL), Probability, Discrete Math, Linear Algebra

Technical Skills

Programming Languages: JavaScript/TypeScript, Java, Ruby, Scala, R, SQL

Tools/Frameworks: Git, Bootstrap, Grommet, HTML/CSS

Experience

Spendlab.org — UI/UX Development Intern

JavaScript

Remote • Jul 2020 – Present

- Full ownership of and currently developing an expandable note-taking feature for Spendlab, a visual-budgeting software for the grant-funded research community.
- Authored a complete software [documentation](#) covering everything from basic functions to advanced use cases.
- Conducted 10+ user interviews with professors and lab managers around the US to inform UI/UX design choices; resulted in direct modifications to the application's interface.

Williams College — Teaching Assistant

Williamstown, MA • Aug 2020 – Present

- Lead help hours to reinforce class topics, grade problem sets, and hold exam review sessions.
- Courses: Calculus II (Fall '20), Applied Statistical Modeling (Spring '21)

Wave Learning Festival — Software Developer

React

Remote • Aug 2020 – Oct 2020

- Developed frontend components of redesigned student/tutor dashboards for student-led online education platform used by over 13,000 students worldwide in more than 60 countries.
- Maintained and updated CMS used by the operations and growth teams to access and edit the database (student/course info, registration data, etc.).

Software Projects

Factrak

React

Feb 2021 - Present

- Building out the frontend of Factrak, Williams' anonymous Yelp-style review platform for courses and professors. Used by over 2000 students every semester.

Williams Ultimate Frisbee

Bootstrap

Aug 2020 – Present

[View Live](#) | [GitHub Repo](#)

- Lead developer of the official website for the Williams College Ultimate Frisbee Organization, featuring virtual recruitment efforts necessary during the COVID-19 pandemic.

JavaScript Calculator

JavaScript

Jan 2021

[View Live](#) | [GitHub Repo](#)

- Developed a fully functional in-browser calculator with support for all the basic operations plus modulo, square root, exponents, and factorial.
- Prioritized a fluid and attractive user interface with realistic click effects.

Formulacademy

JavaScript, Bootstrap

July 2020

[View Live](#) | [GitHub Repo](#)

- Lead developer of a full-frontend website which hosts a library of mathematical and scientific laws/formulas with corresponding calculators.
- Created for VandyHacks 2020, Summer Edition.