

# Justin "Avery" Chan

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## EXPERIENCE

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### Amplitude

San Francisco, CA

*Intern → Product Engineer II*

*May 2022 – Present*

Working on core analytics product features including Data Tables and Metrics, developing new features with feature flags, and maintaining system stability through bug fixes. Collaborated closely with product management and design partners on customer interviews and product development processes.

### Halo Science

Chicago, IL

*Developer Intern*

*May 2021 – August 2021*

Halo is a startup focused on pairing researchers to various funding sources. Contributed by implementing features and designs at the direction of the CEO or UX designer, fixing bugs, and setting up developer productivity tools like Storybook and Chromatic. Developed a new React component library to reduce code redundancy and wrote Python web scraping scripts for the marketing team.

### Materials Simulation Toolkit Machine Learning (MAST-ML)

Madison, WI

*Member*

*June 2020 – December 2021*

MAST-ML is an open-source machine learning Python package with a focus on the material sciences. Contributing to the tool by implementing various functionality proposed by supervisor Dr. Ryan Jacobs, including data-twin removal to improve model performance, graphs to summarize classification models, and exploration of gp-learn library and other feature generation methods.

## EDUCATION

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### University of Wisconsin-Madison

Madison, WI

*B.S. Major in Computer Science | B.S. Major in Data Science*

*August 2019 – May 2022*

*Major GPA: 3.95 | Cumulative GPA: 3.75 | Dean's List 3 semesters*

## SKILLS AND INTERESTS

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**Programming:** Java, Python, JavaScript, HTML, CSS, C, R

**Technologies:** React, Node.js, Jekyll, Git (CLI), Storybook & Chromatic, LaTeX, Tableau

## PROJECTS

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Projects selected to show a variety of project topics and programming languages. Check out more on my [website](#) or [GitHub](#).

- **Personal Website:** Set up my website using Jekyll and wrote Python scripts to scrape GitHub (Jekyll, Liquid, Python).
- **Work Visualization:** Visualized a year of self-reported data on where I spent my time working (R, D3.js).
- **Antibiotic Visualization:** Made a static visualization that effectively communicates antibiotics data. (R, Tableau, Figma).