

Justin "Avery" Chan

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EXPERIENCE

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 and fixing bugs. Other highlights:

- Setup tools to increase developer productivity and adherence to component-driven development (Storybook, Chromatic).
- Developed a new component library to reduce redundancy of code (React, styled-components).
- Wrote web scraping Python scripts to aid the marketing team (Python).

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

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

- **Relevant Completed Coursework:** Advanced Programming in Java; Discrete Mathematics; Computer Engineering; Applied Statistics for Engineers; Introduction to Artificial Intelligence; Machine Organization and Programming; Introduction to Operating Systems; Introduction to Algorithms; Introduction to Data Modeling; Software Engineering; Introduction to Human-Computer Interaction; Introduction to Computer Networks; Introduction to Data Modeling II; Introduction to Bioinformatics
- **Additional Completed Coursework:** Matrix Methods in Machine Learning; Data Science Programming II; Computer Graphics; Statistical Experimental Design

SKILLS AND INTERESTS

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

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

PROJECTS

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).