

Jacob Wagner

Looking for human impact at the intersection of data, technology, and stories

592 Mayfield Ave. Stanford, CA 94305

☎ +1 (503) 884-8767 | ✉ jtwagner@stanford.edu | 📄 jacob-wagner-44107b14a

Education

Stanford University

Stanford, CA

B.S. Candidate, Class of 2021 - G.P.A. : 3.565 / 4.00

September 2017-Present

- **Computer Science (CS)** major & **Data Science** minor
- Relevant Coursework: Linear Algebra and Differential Calculus, Introduction to Natural Language Processing, Computer Organization and Systems, Deep Learning, Mathematical Foundations of Computing, Principles of Computer Systems

Work Experience

Software Engineering Intern

Tempe, AZ

GoDaddy

June 2019-September 2019

- Engineered and coordinated product, infrastructure, project management, testing, and quality assurance efforts to extend GoDaddy's core IP Address Management product affecting over 18 million users
- Migrated an improved system that allows for more reliable and effective IP Address management
- Spearheaded large infrastructure changes affecting over 78 million domain names offered by GoDaddy

Teaching Assistant

Stanford, CA

Stanford University - Department of Computer Science

September 2018-Present

- Led 18-21 students in problem solving discussion sections, artistic creation, and project development
- One of four freshman accepted into the T.A. program for introductory CS seminars for the fall of 2018

Builder in Residence

Palo Alto, CA

OVO Venture Capital

November 2018-June 2019

- Orchestrated the development of an affiliate marketing program by conducting interviews with tens of managers and distribution channels
- Formulated website user interfaces with a company's CEO to pitch to potential investors
- Implemented a cohesive online business store to function as a company's main source of revenue

Projects

Variational Autoencoding

Stanford, CA

Stanford University - Department of Computer Science

April 2019-June 2019

- Employed machine learning techniques to develop a fake news detection system which operates in a more time and space efficient manner
- Improved upon baseline precision benchmarks by an average of 3%

Lemelson-MIT InvenTeams - Engineering Team Lead

Salem, OR

National Champion

June 2015-June 2016

- Directed an agile development process for a team of fourteen people to create five iterations of a thermoelectric generator to improve electrical efficiency by 20%
- Operated daily meetings with 3 teams and oversaw general product development

Conrad Spirit of Innovation - Design Team Lead

Salem, OR

International Semi-finalist

January 2016-June 2016

- Standardized an elegant marketing design in order to pitch to competition judges
- Investigated the market potential of crickets as a primary protein source by researching end users

Leadership & Awards

Volunteer	Recruitment Chair , Spearheaded the recruitment process for over 250 students	2018-2019
Volunteer	Dormitory President , Fostered a community through dorm events for 80 students	2017-2018
Award	Oregon High School Academic All-star , 1 of 66 students in Oregon to receive the award	2016

Skills

Analysis	Data Tools , Excel, Scikit-Learn, Keras, Numpy, Pandas, coursework on data analysis
Software	Programming and Design , Python, Java, C++/C, Swift, JavaScript, HTML, Kotlin, R