

Alec Glassford

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Education

Stanford University – M.A. Journalism 2018

Focus in computational journalism (data analysis for reporting, building news applications and data visualizations). Other coursework included beat reporting, news and feature writing, multimedia, press law, media history and economics.

Stanford University – B.S. Computer Science 2017

Graduated with distinction (GPA 4.038). Minors in Creative Writing and History. Studied abroad in Florence, Italy. Specialized in Computer Science's "Information" track, with coursework ranging from machine learning and natural language to data visualization and web app development.

Recent Work Experience

Course Assistant, Stanford Computer Science [Data Visualization] – Fall 2017

Taught design and visualization principles, Tableau, D3.js, and more in a graduate-level data visualization class. Helped design assignments, lectured (included detailed code walkthroughs), graded, met with students one-on-one to develop novel research projects.

News Applications Fellow, ProPublica (New York) – Summer 2017

Redesigned popular Nonprofit Explorer app and built pipeline and interface enabling people to browse millions of machine-readable tax filings from a new IRS release. Also: Reporting, writing, other data pipeline and news app development (using Ruby on Rails, SQL, D3.js, AWS + Google Cloud, more).

Impact Intern, Ashoka Ireland (Dublin) – Summer 2016

Wrote profiles and press releases about innovative Irish schools and entrepreneurs joining the international social entrepreneurship network. Helped produce newsletter and annual report. Set up systems to streamline office workflow (e.g. Slack, Google Form, Trello integrations).

Software Engineering Intern, Flatiron Health (New York) – Summer 2015

Developed features for web app used in cancer clinics across the country. Built customer insight tool to gather and transform analytics, style them with email-optimized CSS, and send them via Amazon SES. Experience with Python (Flask, SQLAlchemy), PostgreSQL, Javascript (AngularJS), CSS (Sass).

Residential Computer Consultant, Stanford – 2015 to 2017

Point person for all computing issues in a dorm. Planned dorm events, helped build and manage community, acted as a leader and mentor to students.

Web Editor & Radio Producer, Stanford Storytelling Project – 2014 to Present

Manage website and podcast for arts group that produces a narrative radio show. Migrated from legacy CMS to WordPress. Experience with Python scripting, HTML, CSS, as well as the editing and production of radio stories.

Skills (overview)

Full stack web development, data visualization, web scraping, data journalism, story editing, writing (news, feature, criticism, technical), reporting, audio production

Skills (technical tools)

proficient | experienced | familiar

Languages

Python, JavaScript, SQL, HTML, CSS | Ruby, C++, C, Java | PHP, Matlab, R

Web Development

Flask, AngularJS, Sass | Node.js, Express, D3.js, jQuery, Rails, Wordpress | SQLAlchemy, MongoDB

Data Analysis

Built-in JS, Python, and Unix tools, csvkit, Excel | Scikit-learn, Jupyter | Pandas, NLTK

Misc. Developer Tools

Git, Heroku | various AWS, Firebase | Google Cloud Platform, Docker

Other Software

| Hindenburg | Final Cut Pro, Photoshop

Honors

Frederick Emmons Terman Engineering Scholastic Award (top 5% of Stanford engineering school)
Phi Beta Kappa (as junior)
Tau Beta Pi (as junior)