

Alex Graves

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Employment

Software Engineer

Bloomberg LP

September 2019 – Present

- Member of the News Automation team, which creates custom Python scripts to generate thousands of fully- and semi-automated news stories on a daily basis
- **Story highlight:** monthly semi-automated story tracking the gender makeup of the boards of top companies, including generating dynamic text, tables, and charts
- Took ownership of a custom text-generation library which uses Jinja templating and custom formatting functions to produce dynamic, style guide-compliant text via a rules-based approach
- Improved team-owned libraries by adding automated testing and increasing documentation coverage
- Currently working in a three-person intra-departmental team to reimagine the workflow of content generation, including user research, system design, prototyping, and proof-of-concept coding

Intern, Front-End Engineer

Apple, Inc. (News Team)

Summer 2018

- Primarily worked on front-end engineering on Apple News Publisher using JavaScript ES6, HTML, CSS
- Helped finish a product to convert declarative Apple News Format to responsive web pages
- Enhanced line graph display features in Analytics for Apple News Publisher with D3.js

Education

University of Pennsylvania

Magna Cum Laude

May 2019

Major: Computer Science (Digital Media Design), B.S.E.

Minor: French and Francophone Studies

GPA: 3.72 (Dean's List 2015-16, 2016-17, 2018-19)

Extracurricular: The Daily Pennsylvanian

- Served on three editorial boards: Design Editor (2016), Digital Director (2017), and Director of Web Development (2018); also served as a **general assignments reporter** (2018)
- Managed teams of other staff members and editors
- Pushed for more interactive and **data-driven** news and worked with other editors to develop new **internal tools**