

Alex Graves

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Education

University of Pennsylvania May 2019
Major: Computer Science (Digital Media Design), B.S. in Engineering; **Minor:** French
GPA: 3.71 (Dean's List 2015-16, 2016-17)
Current key coursework:
Big Data Analytics; Automata, Computability, Complexity
Past key coursework:
Advanced Computer Graphics; Databases; Networks and Security; Algorithms;
Computer Design/Architecture; Android Development; Ruby on Rails Web Dev.

Experience

- Intern, Front-End Engineer**
Apple, Inc. (News Team)
Summer 2018
- Front-end engineering on Apple News Publisher using JavaScript ES6, HTML, CSS
 - Helped finish a product to convert Apple News Format to responsive web pages
 - Enhanced line graph display features in Analytics for News Publisher with D3.js
- Director of Web Dev.**
The Daily Pennsylvanian
Dec. 2017 – Dec. 2018
- Led a team of developers in maintaining full-stack apps, creating unique project pages, building **internal tools**, and expanding interactive and **data-driven** news
 - Made high-level decisions as business at-large member of the DP Executive Board
- Intern, Product**
Chariot Transit, Inc.
Summer 2017
- Implemented front-end and back-end for a new feature to add and display fully-booked charters dates, improving user experience for customers and employees
 - Did front-end development on new **about**, **pricing**, and **commuter benefits pages**
- Digital Director**
The Daily Pennsylvanian
Dec. 2016 – Dec. 2017
- Made high-level company decisions as a member of The DP's Executive Board
 - Managed digital departments (web development, design, analytics, social media, photo, video, and podcasts) and the DP's **digital product**
- Web Developer**
The Daily Pennsylvanian
Oct. 2016 – Dec. 2017
- Launched a full-stack **events website** and restaurant guide (both front-end and back-end development) in collaboration with other developers
 - Developed **special project pages** for data-driven and visually interesting content
- Design Editor**
The Daily Pennsylvanian
Dec. 2015 – Dec. 2016
- Shifted the role of Design Editor to be more digital-first by collaborating with developers on **project website pages** and designing the UI for an events website
 - Emphasized more data-driven work and illustrations within a 16-member staff

Skills

Programming Languages

Proficient: JavaScript, HTML/CSS, Sass, Python, C++, Ruby, Java, C

Some Experience: Scala, OCaml

Frameworks and Tools

Proficient: Git, Rails, OpenGL, Node, Angular, Android, MySQL

Design and Creative

Proficient: Illustrator, InDesign, Maya, Sketch, Photoshop

Languages

Advanced: French

Beginner: Japanese, Spanish

Selected Projects

Ville, Fall 2018 (Repo)

A user input-based procedural city generator built for my senior project. I implemented road generation and building placement algorithms and used the HTML5 Canvas for user input and three.js for 3D rendering.

Outquote, Spring 2018 (Repo)

Dependency-free web app to create branded quote cards for the DP. I implemented the customizable options, including photo uploading.

Philly Guide, November 2017 (Repo)

A map-based guide to Philadelphia, built for my Databases final group project. I wrote relation scripts for the 2.3 million-row crime dataset and implemented endpoints for customizable SQL queries.

Ascriber, PennApps XVI September 2017 (Repo)

Ruby website scraper to identify uncredited images, find the credits, and suggest alternatives. I built the image and credit scraper. My team won "Best Use of Google Cloud Compute/Big Data Products".