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*	• Lead a team of developers in maintaining full-stack apps, creating unique project pages, building internal tools, and expanding interactive and data-driven news • Make 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, 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. It uses the HTML5 Canvas, road generation algorithms, and three.js.

Outquote, Spring 2018 (Repo)
  Dependency-free web app to create branded quote cards for the DP. I implemented the customizable options, including photo uploading.

Can you predict who'll go to the Ivy League tournament?, Feb. 2018 (Repo)
  Interactive feature for basketball standings. I wrote the tiebreaker logic.

Trump speech data analysis and visualization, Jan. 2018 (Repo)
  Article analyzing Trump's mentions of Wharton. Wrote Python scripts to scrape/analyze data, built visualizations with JavaScript, wrote the copy.

Ascriber, PennApps XVI Sept. 2017 (Repo)
  Ruby scraper to identify uncredited images. Built the image and credit scraper. Won "Best Use of Google Cloud Compute/Big Data Products".