Dan Friedman

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Education

Yale University, New Haven, CT

- Bachelor of Arts in English, graduation expected May 2017, GPA 3.95
- *Computer science classes:* Intro to Programming, Intro to Computer Science, Data Structures and Programming Techniques, Mathematical Tools for Computer Science, Computational Linguistics

Torah Academy of Bergen County, Teaneck, NJ

- Diploma 2013, GPA 98.17/100, Valedictorian, National Merit Finalist

Technical Experience

Peer Tutor: CPSC 201   Yale University, New Haven, CT   **Fall 2016**

- Lead weekly tutoring sessions for students in CPSC 201, Introduction to Computer Science.
- Tutor students on topics including the Racket programming language, computability, boolean functions and expressions, gates and circuits, computer architecture, strings and languages, compilers, complexity, and recursion.

Web Development Intern   Kentucky Center for the Performing Arts, Lousiville, KY   **Summer 2016**

- Worked with the senior web developer and the web task force to develop new front-end and back-end features for kentuckycenter.org, overseeing the full production cycle from conceptualization to deployment.
- Built custom, responsive UI components with HTML, CSS, and JavaScript/JQuery, such as the "View from Your Section" tool, to improve user experience for all site visitors.
- Integrated full online support for gift certificates, including purchasing, applying, customization, and balance-lookup, using AJAX, ASP.NET/C# MVC, and the Tessitura Web API.
- Used ASP.NET/C# to build custom MVC widgets for the Sitefinity CMS to allow non-technical employees to customize the website without writing any code.

Webmaster   Yale Literary Magazine, New Haven, CT   **Sept. 2015 - present**

- Developed a new website to host the online journal of the *Yale Literary Magazine*, the *Yale Little* (yalelittle.com).
- Built a custom, responsive WordPress theme using HTML, CSS, PHP, and JQuery to showcase student writing and art.
- Manage web hosting, content management, site analytics, and user engagement.
- Manage the archival website of the Yale Literary Magazine, yalelitmag.com.

Media Tech   Yale Student Technology Collaborative, New Haven, CT   **Jan. 2014 - present**

- *Web Specialist:* Work with students and faculty to develop custom CampusPress websites for classes and student groups; write tutorials to introduce other Media Techs to WordPress development and responsive web design.
- Provide students and faculty with technical support for media hardware and the Adobe Creative Suite.

Projects

Kineograph   dfriedman.net/kineograph

- A JavaScript web app for creating flipbook-style animations in the browser.
- Uses the HTML Canvas API to support drawing and compositing operations, including layers.
- Source code: github.com/danfriedman0/kineograph

imageMapWrapper   dfriedman.net/imageMapWrapper

- A JQuery plugin that makes HTML image maps responsive and highlightable.
- Source code: github.com/danfriedman0/imageMapWrapper

Skills

Programming languages

- *Proficient:* JavaScript, HTML5, CSS3
- *Experience:* C, C#, Python, Racket, Haskell, PHP, MySQL

Tools, libraries, and frameworks

- *JavaScript:* JQuery, AJAX, Canvas, MongoDB, ExpressJS, AngularJS, node.js/npm,
- *Other:* Git/GitHub, UNIX, bash, emacs, ASP.NET MVC, Visual Studio, WordPress, Sitefinity, Tessitura, Photoshop, GIMP