

# Matt Hayes

<http://mysterycommand.com>  
[matt@mysterycommand.com](mailto:matt@mysterycommand.com)  
(612) 501-5383  
Austin, TX

## Work Experience

### Freelance/Self-employed

#### Web Engineer

My work focuses on client-side application architectures, user interface development, and data visualization. I lead small teams to build engaging and informative experiences using cutting edge technologies. I transform complex business needs into user scenarios, and those into custom web applications. Please see below for details about specific projects.

### Sierra Bravo (now The Nerdery)

#### Programmer/Analyst

At Sierra Bravo (now The Nerdery) I worked with their huge team of developers on a wide range of projects. Highlights include programmatically animated UI for: a CMS and social media-integrated Flash widget, an XML-configurable banner ad with cue-point-enabled video player, and a Rock Band-style trade show booth game using Adobe AIR.

### Freelance/Self-employed

#### Web Engineer

Freelancing, I work both directly with my own clients, and also augmenting agency capabilities. During this time, I worked with a designer to hand-code an XHTML, CSS, and JavaScript-based informational website for an environmental consultancy, and with a Minneapolis-based marketing agency to complete two projects for end-client FedEx.

### Puny Entertainment

#### Brain Genius

Working with 4 other developers at Puny, I helped build sites with massively varying UX requirements and goals. I lead efforts to streamline development processes, adopt Agile methodology, and create an MVC architecture for games, micro-sites, and RIAs. We also worked diligently refining the relationship between Flash, CMSs, search engines, and alternate content.

### Azul 7

#### Lead Creative Developer

At Azul 7, I focused on full-browser experience-driven Flash sites, and CMS-driven and SEO'd interactive data visualizations. I worked with a server-side developer and SEO specialist to find ways of delivering Flash content to search engines, and with a small team of highly skilled designers to concept and create high-quality pixel-perfect interactive experiences.

### Jun. 2009 - Present

Technologies: HTML5, CSS3, JavaScript, SVG, Flash, Flex, ActionScript 3

### Mar. 2009 - May 2009

Technologies: (X)HTML, CSS, JavaScript, Flash, Flex, ActionScript 3

### Nov. 2008 - Feb. 2009

Technologies: (X)HTML, CSS, JavaScript, Flash, Flex, ActionScript 2 & 3

### Dec. 2007 - Oct. 2008

Technologies: (X)HTML, CSS, JavaScript, Flash, Flex, ActionScript 2 & 3

### Jun. 2007 - Nov. 2007

Technologies: (X)HTML, CSS, JavaScript, Flash, Flex, ActionScript 2 & 3

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## Recent Projects

### Top Secret Product Z

The Nerdery, Top Secret Partner Z

Built an interface to Partner Z's proprietary network analysis algorithm and APIs. Created highly optimized data visualizations with potential applications for terrorist threat assessment, commercial market research, and real-time political campaign analytics. Improved performance of several key interactions in complex data views by a factor of 10.

Dec. 2012 - Present

Technologies: HTML5, Backbone, RequireJS, jQuery, jQuery UI, D3.js, SVG

### Hello!Lucky.com Flex App

The Nerdery, Hello!Lucky

Developed several customer-facing applications for Hello!Lucky. Implemented a complete visual redesign. Reimplemented or improved existing functionality, and laid the groundwork for future development using Flex 4's Spark components library and the Robotlegs framework — all while ensuring minimal impact on Hello!Lucky's CMS and e-commerce solutions.

May 2012 - Nov. 2012

Technologies: ActionScript 3, Flex 4, Robotlegs, Adobe Scene7, Magento

### Top Secret HTML5 Experience X

The Nerdery, Top Secret Partners W, X and Y

Crafted a series of interactive vignettes as part of a site built to showcase the latest capabilities of HTML5's audio, video and canvas APIs. Contributed viewport and camera abstractions to a sophisticated JavaScript rendering library. Created a sprite-based faux-3D interactive map, and computationally generated cloud, crowd, and lighting effects.

Mar. 2012 - Apr. 2012

Technologies: HTML5, Canvas, Base.js, LayerJS

### SAG-AFTRAnumbers.com

Liina Lundin Graphic Design, SAG-AFTRA Twin Cities

Collaborated with designer Liina Lundin and SAG-AFTRA Twin Cities to concept, prototype and implement a truly responsive web app. Integrated multiple union rate sheets to create an abstract decision tree displaying only relevant information based on user actions, allowing users to readily estimate the cost of hiring union talent for television and radio commercials.

Jan. 2012 - Present

Technologies: H5BP, CoffeeScript, RequireJS, jQuery, TangleKit, Chosen

### BanyanRFP.com

ArcStone, BanyanRFP

Researched and implemented the client-side of a web app that enables scaffolding and customization of legal RFPs. Brainstormed site functionality, identified vital user stories and refined functionality to support those stories with ArcStone's team and BanyanRFP's founder. Worked closely with server-side developer on API details and site optimizations.

Mar. 2011 - Dec. 2011

Technologies: Backbone, jQuery, jQuery UI, jQuery Templates, Google Closure Library

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## Education

Minneapolis College of Art + Design  
Bachelor of Science: Visualization  
Graduated With Honors, Spring 2007  
Florence Honors Program, Spring 2007  
Merit Scholar, Fall 2006

Fall 2003 - Spring 2007  
Career GPA: 3.778

## References

John Krenz  
Resource Manager &  
Co-President  
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Mark Fox  
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## Skills

### Languages

JavaScript	3 YEARS	★★★★★
HTML5	3 YEARS	★★★★★
CSS3	3 YEARS	★★★★★
ActionScript 3	6 YEARS	★★★★★
Flex 4	6 YEARS	★★★★★
Bash	2 YEARS	★★★★★
Git	2 YEARS	★★★★★
SVN	5 YEARS	★★★★★
Ruby	2 YEARS	★★★★★
Rails	2 YEARS	★★★★★
PHP	3 YEARS	★★★★★
MySQL	3 YEARS	★★★★★
NodeJS	< 1 YEAR	★★★★★
PostgreSQL	< 1 YEAR	★★★★★

### Software

Adobe CS & CC	10 YEARS	★★★★★
Google Chrome	3 YEARS	★★★★★
Sublime Text 2	3 YEARS	★★★★★
Mac OS X	10 YEARS	★★★★★
Terminal	2 YEARS	★★★★★

### Hobbies

Drawing	> 26 YEARS	★★★★★
Painting	> 20 YEARS	★★★★★
Philosophy	?? YEARS	★★★★★
Jogging	12 YEARS	★★★★★
Landscaping	< 1 YEAR	★★★★★