**Summary**

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| I am a front-end JavaScript developer. AngularJS is my preferred framework. I currently maintain five of my own sites hosted on Heroku, and version controlled with Git. I maintain my own documented code base on a public URL so that my projects are all consistent.  I am looking for a position as a developer or a software engineer where I would provide solutions and recommendations to address my company’s needs. |

**Skills**

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| * Angular, JavaScript, jQuery, PHP, Git * Heroku, Netlify, Freebase * Writing, Communication, Leadership, Mentoring * Math, Engineering, Technical skills, Motion dynamics, |

**Projects**

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| **Personal API**  *developer, 2015 - present*  [code.methodswithclass.com](http://code.methodswithclass.com)   * Global CSS that can be applied to any project * Angular directive for parallax scrolling, accounts for any screen and image size * Angular service for firing events in one part of app from another part of app * Angular service for sending data from one part of app to another part of app * Angular directive for development console that prints JavaScript console entries to the screen for mobile debugging * Version system for all of the above so that I can update code but not break existing sites   **evolve**  *developer, 2016 - present*  [evolve.methodswithclass.com](http://evolve.methodswithclass.com)   * genetic algorithm, artificial intelligence * simulates biological evolution * the program develops an optimized solution to a problem in real time * classic problem of robot picking up trash in a grid * GA software is generalized so that it can be applied to different problems * global CSS * parallax scrolling * single page app, state changes, url updates |
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**gravity**

developer, 2013 - present

[gravity.methodswithclass.com](http://gravity.methodswithclass.com)

* game platform
* web based gravity games that respond to your device’s position and motion
* application layering, device motion layer, game layer
* points, countdown, punish/reward
* scrolling canvas navigation UI
* global CSS
* single page app, state changes, url updates

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| **Methods with Class**  *developer, 2013 - present*  [www.methodswithclass.com](http://www.methodswithclass.com)   * this site is my online business card * global CSS * parallax scrolling * responsive design detects desktop and mobile devices * single page app, state changes, url updates   **Gentle Phrasing**  developer, blogger, 2015 - present  [www.gentlephrasing.com](http://www.gentlephrasing.com)   * blog site * parallax scrolling * responsive design * Angular directives to control blog text rendering * global CSS * Single page app, state changes, url updates * url parameters allow users to access blogs directly, without going to home page first * share blog pages to Facebook and Twitter * PHP code allows single page app to provide correct meta-data to Facebook crawlers |

**Work Experience**

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| **Give Me a Break from Cancer**  *developer, 2015 - present*   * developing new site * global CSS * responsive design * parallax scrolling * automatic carousel with controls and indicator * carousel has parallax scrolling applied to it   **Cybermedia Technologies**  *lead developer/admin, 2012 – 2015*   * developed software solutions * JavaScript applications * Flash applications that supported animation * Word macros (VBA) to process 150 page documents * Employee IT account admin (Dropbox, Office 365, etc) * Setup computers for new employees |

**Education**

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| **Penn State University**  Bachelors of Science, Aero Engineering (2009)  Masters of Science, Aero Engineering (2011) |

**Publications**

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| “Bike”, Oct 2007, fiction, available on Amazon |