

Eli White

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<http://eli-white.com>

OBJECTIVE: Seeking a position enabling me to work on technology my future kids would ask what it was like to live without.

EDUCATION:

University of Washington, Seattle, WA

BS in Computer Science

PERSONAL PROJECTS:

- JS - WhereTheyAt** - <http://wherethey.at> **Aug 2014 - Present**
Track your friends' most recent locations and home cities on a map. JavaScript, IndexedDB/WebSQL, FB API
- PHP - Saros Framework** - <https://github.com/TheSavior/Saros-Framework> **Sep 2009 – Aug 2013**
PHP MVC Web Framework; ACL, ORM, Composer and Heroku Support
- JS - DOM Tower Defense** - <http://blog.eli-white.com/2013/04/javascript-tower-defense> **Apr 2013**
Javascript Tile TD game: A* pathfinding in JS, CSS3 Transforms
- PHP, JS - FitBitSleepCharts** - <http://blog.eli-white.com/2013/04/fitbit-sleep-charts> **Mar 2013**
Fitbit Sleep Data Web App; Displayed trends and statistical data. OAuth, D3
Created the officially recommended Fitbit PHP library. <https://github.com/TheSavior/fitbitphp>
- PHP - Perfect Guy But** - <http://perfectguybut.com> (VERY NSFW) **Feb 2013**
FMyLife style Startup Weekend project; Handled 4chan, reddit, 9gag, ebaumsworld traffic, 20k posts in 5 hours
- C# - Fishy** - <https://github.com/TheSavior/GameStarter> **Jun 2012 – Jul 2012**
XNA game chronicling the life of a growing fish; screen manager, 2D camera w/ momentum
- JS - Fifteen Puzzle** - <http://sarosoftware.com/products> **Aug 2011 – Dec 2011**
Javascript Windows 8 App; Single page JS app, leaderboard, online competition
- Hardware - Fraternity Letters** - <http://files.eli-white.com/letters/> **Mar 2011 - Sep 2011**
Backlit Waterproof Letters; Laser cut acrylic, automobile paint, firmware, color changing led strips
- Hardware - Music Visualizer** - <http://www.youtube.com/watch?v=rnahGrcwZ9Q> **Jan 2009 – Jan 2011**
Light Tubes Synchronized to Music; circuitry, firmware (PIC18F4550), sound card sampling, FFT
- PHP, JS - WhiteBoard Discussion Board** - <https://github.com/TheSavior/Whiteboard-old> **Mar 2007 – Sep 2010**
PHP Discussion Board; full stack from MYSQL to jQuery / Photoshop, 14k lines of code
- More Projects** - <http://blog.eli-white.com/category/projects/>

WORK EXPERIENCE:

- Plaster, Founder** - <http://plaster.eli-white.com> **Jan 2014 – Present**
- Created a real-time collaborative drawing app written entirely in JavaScript using Google Drive's Realtime API
 - Focused on performance and cross platform support: iOS, Android, WinPhone, Chrome, Safari, Firefox, and IE
 - Supported offline editing using Appcache and IndexedDB/WebSQL
 - Built test tools with Buster and PhantomJS
- Airbnb, Front End Engineering Intern** **Jun 2013 – Jul 2013**
- Utilized WebRTC for users to scan official IDs for verification.
 - Fixed compatibility and performance issues with Oxygen, Airbnb's version of Bootstrap
 - Built custom 404 and 500 pages, fixed localized rendering of dates and other page redesigns
 - Lived in Airbnbs all summer, moving every two or three days to experience the product. <http://blog.eli-white.com/2013/08/vagabonding-san-francisco-with-airbnb/>
- Google, YouTube for Xbox – Software Engineering Intern** **Jun 2012 – Sep 2012**
- Built a passive music video player Xbox application focused on the best experience for groups.
 - Completed user studies for interface design.
- Microsoft, Applied Sciences Group – Research Software Development Engineer** **Jan 2011 – Jun, Sep – Jun 2012**
- Dev Lead for Mayhem, an open source application for personal automation connecting network events, hardware and 3rd party applications.

- Managed three full time employees, four contractors, two interns, and two Google Summer of Code Students and led team meetings.
- Designed the interface, architected the software, managed the code repository and issue tracker, and led the commercial marketing effort.
- Architected the online app store and its connectivity with Mayhem for installing and updating 3rd party modules.
- Presented at conferences: Maker Faire Bay Area, Maker Faire Seattle, TechFest, Faculty Summit, W/WL Tradeshow, and The Garage Science Fair.

Microsoft, Windows Phone Services – Software Development Engineering intern Jun 2011 – Sep 2011

- Developed Mayhem for Windows Phone.
- Collaborated with 3 Microsoft teams to build a prototype showcasing Mayhem's use on a personal device.

University of Washington, Computer Science and Engineering - Teaching Assistant Mar 2011 – Jun 2011

- Taught 70 students web topics including CSS Box Model, PHP scripting, SQL statements, and JavaScript.

Microsoft, ASP.NET (Razor) - Software Development Engineering Intern Jun 2010 – Sep 2010

- Added to the membership and roles sections of the web security framework.
- Developed a helper for swapping styles and themes for web applications.
- Built a collaborative calendar as one of four template applications that shipped in WebMatrix.

Teridian Semiconductor Corporation - Software Engineering Intern Jun 2009 – Sep 2009

- Designed multi-threaded host applications for firmware testing and IC systems over serial and SPI.
- Applications controlled system watchdog, performed energy calculations, and accessed multi-bit and multi-byte registers.
- Helped troubleshoot firmware bugs, wrote a user guide manual, and demonstrated products to customers.

University of Washington, Department of Technical Communication - Research Assistant Oct 2008 – May 2009

- Assembled an interactive robot for human-robotic interaction research.
- Worked on mapping software to allow autonomous movement and navigation.

MDY Industries, LLC (Glider) - Pather Developer and Support Lead Dec 2007 – Dec 2008

- Collaborated with a team of 5 developing AI software (bot) that played World of Warcraft.
- Wrote a scripting language the bot interpreted to decide all parameters of its task.
- Built and sold subscriptions to a 3rd party web app that dynamically created the scripts the bots used.
- Wrote and supported official installation, usage, and detailed scripting guides.

Power Software – Developer Lead Jun 2004 - Oct 2008

- Hired and managed a team of four developers to build a discussion board system.
- Wrote sales contracts, sold copies of the discussion board, and provided consulting services.
- Averaged 210 downloads per day on a single program over a period of 6 months (~38,000 downloads).

SUMMARY OF QUALIFICATIONS:

- Proficient With: Javascript, C#, PHP, Node.js, HTML5, CSS, SQL, Git, ASP.NET, Visual Studio
- Familiar With: WPF, Ember.js, Backbone.js, Java
- Zend Certified PHP 5 Engineer

OTHER ACTIVITIES:

- Backpacked around the world for more than 9 months following summer and looking for delicious desserts
- Boy Scouts – Eagle Scout
- Founded Irvine, CA's Parkour group and led a team of 7 during two years of training
- Brother in Upsilon chapter of the Theta Xi Fraternity
- Played on University Of Washington's club ultimate Frisbee team
- Youth Swim Coach