

# 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 (written in high school)

**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

- Developed Mayhem, an open source application for personal automation connecting network events, hardware and 3<sup>rd</sup> 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 3<sup>rd</sup> 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 3<sup>rd</sup> 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:**

- Backpacking around the world for more than 8 months 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