# MATTHEW**REDDICK**
## FULL STACK WEB DEVELOPER

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Over eight years of experience creating software for automated test tools. Advanced LabVIEW programmer known for developing robust and reliable software. Recently finished an immersive web development program and looking to apply new found skills while leveraging software development experience.

## EXPERIENCE

**Test Automation Engineer**                                          **April 2012 - August 2014**

*Cercacor, Irvine, CA*

· Developed LabVIEW software to automate manufacturing and R&D test stations

· Wrote MATLAB scripts to perform data analysis of manufacturing and research data

· Improved existing optical test stations by reducing time per test, in some cases over 80%, while increasing reliability and repeatability through hardware modifications as well as designing new control software

· Utilized Perforce version control software to track software changes

· Participated in daily stand-up meetings as well as sprint planning meetings as part of our team's Agile process

**Research Assistant**                                          **August 2010 - March 2012**

*University of Southern California, Los Angeles, CA*

· Programmed LabVIEW interfaces to automate data acquisition from test equipment (spectrometers, oscilloscopes) and expedite data analysis for novel optical devices

· Conducted seminars to train 15+ lab members on LabVIEW programming techniques

**Test Engineer**                                          **August 2006 - July 2010**

*CYMER Inc., San Diego, CA*

· Created LabVIEW and MATLAB applications in support of testing, validation, test sequence automation and data analysis

## PROJECTS

**SOCIALYZE**                                                                 **GitHub**

Socialyze analyzes your Twitter footprint. Once you've authorized your Twitter account, the site goes to work and will send you an email when the results have been compiled. Follow the link inside and see a personalized report showing your and your followers' most commonly used words, the time of day you typically tweet and other interesting visualizations of your data.

*Built using AngularJS and Bootstrap for the front-end, D3 to generate graphs and charts, Ruby on Rails, Sidekiq, Redis and PostgreSQL for the back-end and SendGrid for email.*

**4 LEGGED FIENDS**                                                                 **GitHub**

4 Legged Fiends helps you to answer the age old question of whether your pet is really your friend or just a fiend. Create an account, upload photos of your pet and watch as other users vote on whether they think your pet is a friend or a fiend.

*Built using JavaScript and Bootstrap for the front-end, as well as Ruby on Rails and MongoDB for the back-end.*

**3T: ULTIMATE TIC-TAC-TOE**                                                                 **GitHub**

3T is an online two player ultimate tic-tac-toe game. Just enter your name and you will be paired with the next available player. It features in-game chat as well as a global chat room to talk with anyone else currently playing.

*Built using AngularJS and Firebase.*

## SKILLS

**Back-End**
· Ruby on Rails
· PostgreSQL
· MongoDB
· SQL

**Front-End**
· AngularJS
· Bootstrap
· jQuery
· HTML5
· CSS3

**Programming**
· Ruby
· JavaScript
· LabVIEW
· MATLAB

**Testing**
· RSpec

**Version Control**
· Git
· GitHub
· Perforce

## EDUCATION

**GENERAL ASSEMBLY**
*Web Development Immersive*
February 2015

**UNIVERSITY OF SOUTHERN CALIFORNIA**
*M.S. Electrical Engineering*
December 2011

**UNIVERSITY OF CALIFORNIA, BERKELEY**
*B.S. Engineering Physics*
May 2006