

## **Matt Ball**

- oakmachine.com
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## **Work Experience**

Endaga, Member of Technical Staff -- Feb 2015 to Oct 2015

- wrote software for the user interface, cell phone towers and backend servers
- built software to connect to an open source telephony backend

Google[x], Software and Hardware Engineer -- Apr 2013 to Feb 2015

- worked on Project Wing and the delivery subsystem
- tested and improved electronic speed controllers
- built an end-to-end simulation system

Aquaya Institute, Program Associate -- Feb 2012 to Feb 2013

- conducted pilot projects in Cambodia, Vietnam and Mozambique
- built an open source web application for data management and analysis
- built a voice-based data collection system, also open source

Redwood Systems, Applications Engineer -- Oct 2010 to Nov 2011

- built a web-based system for displaying sensor information
- created a statistical analysis library for analyzing energy efficiency data
- developed a mobile phone application for controlling lights

Duke University, Teaching Assistant -- Aug 2009 to May 2010

- worked for the Devices for People with Disabilities senior capstone course

## **Volunteering**

Laurel Walking Tour -- Feb 2013

- worked with a local high schooler to create an audio walking tour

CollegeTrack SF -- Sept 2012 to Feb 2013

- assisted high schoolers in their science, math, english and history homework

## **Education**

Duke University, Civil and Environmental Engineering, BSE -- Sept 2006 to May 2010

- worked with local partners in Uganda and Bolivia via Engineers without Borders
- designed, built and tested electronic devices for hospitals via the Engineering World Health organization