

# MARK DHILLON

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## SKILLS PROFILE

- To obtain a challenging position which builds upon my previous academic and industry experience

## EMPLOYMENT HISTORY

**Senior Research Engineer, toSense** 3/2015 — Present  
*San Diego, CA*

- My work focuses on research and development of novel algorithms for wearable health sensors, including real-time measurement of cardiac output, stroke volume, and cuff-less blood pressure.
- Responsibilities include clinical trial design, signal processing of waveform data, data model development, statistical analysis of results, and implementation of web-based visualization tools for streamlined analysis.

**Founder & CEO, ReviewSage** 6/2013 — 12/2014  
*Madison, WI*

- I was awarded seed funding to transform my Master's project into a business, and developed a platform for restaurants to manage reputation through analysis of content online and in-house feedback.
- I raised a subsequent convertible note and expanded the development team after acquiring the FoodFight restaurant group in Madison as a paying customer.

**Software Engineering Intern, Google** 6/2012 — 8/2012  
*Mountain View, CA*

- My internship project centered around improving the report labeling functionality of a critical customer feedback tool used by numerous internal teams.
- The implemented solution introduced a composite design pattern for better label grouping and display preferences to ensure relevant views.

**DesignLab Consultant, University of Wisconsin - Madison** 9/2011 — 5/2013  
*Madison, WI*

- While completing my Master of Science, I worked in a cross-departmental program to help students learn elements of design.
- As the Computer Science department representative, I assisted undergraduate students with software design, data visualization, and software implementation.

**Senior Software Engineer, Rearden Commerce** 10/2009 — 6/2011  
*Foster City, CA*

- I worked on the Applications team for the Rearden Commerce's enterprise service portal, which customers used to book airfare, accommodations, ship packages, and more.
- My responsibilities included leading the design and implementation for a new customer homepage, improving the infrastructure for the shipping service, and adding RESTful layers for accessing data owned by the Applications team.
- I also supported the Quality Assurance team by teaching members how to automate Selenium for more efficient testing.

## EDUCATION

**University of Wisconsin, Madison** 9/2011 — 5/2013

- Master of Science, Computer Science

**University of California, Berkeley** 1/2006 — 7/2009

- Bachelor of Arts, Computer Science