

# Reno Bowen

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www.renobowen.com

## Education

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- 09/11 - 03/13 Stanford University • M.S. in Computer Science, Specialty: HCI, GPA 3.90  
09/08 - 12/10 Stanford University • M.A. in Psychology, Specialty: Neuroscience, GPA 4.02  
09/04 - 06/08 University of California, Irvine • B.A. in Psychology, Specialty: Cognitive, GPA 3.98

## Software Experience

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### 01/13 - Present Tuneln | Software Engineer • WEB

**Follower Model** Led development of feed, a facebook-like infinite-scroll content-discovery feature on front-end. Oversaw development of profiles. Began cutting dependency from platform services, consuming our own API through a new web-service layer. Automated style generation for all assets in sprites.

**Single-Page Application** Refactored client and server-side code to support new single-page application experience without any impact on existing SEO. Managed issues with a variety of audio players cross-browser to ensure seamless play.

**Other** Improved code-review and version-control practices. Saw through separation of web from platform team, and the appointment of a team manager. Worked with team manager to guide short and long-term plans for Tuneln.com.

**Worked In** JavaScript, jQuery, Backbone.js, C# / .NET, HTML / LESS, ActionScript

### 06/12 - 09/12 Yelp | Software Engineer Intern • SPAM / DATA SCIENCE

Derived user-engagement metrics from log data to pinpoint indicators of review sort quality in Python with MRJob, directly facilitating future A/B testing of modified sorting algorithms. Refactored components and developed test cases in Python for critical IP-blocking software in production.

**Worked In** Python, MRJob (MapReduce), SQL

### 12/10 - 06/12 Stanford CNI | Software Engineer • WEB

Collaborated with another engineer to design, develop, and deploy two iterations of NIMS, an open-source neuroimaging data management system. Implemented database schemas and substantial server-side logic, as well as designed and implemented the front-end. Built pipeline to seamlessly process and transfer data into NIMS from scanner, reducing user intervention required pre- and post-scan.

**Worked In** Python, TurboGears, JavaScript, jQuery, RequireJS, HTML / CSS

**Notables** Implemented compiler (with C++, Flex, and Bison) for Decaf, a toy Java-like language. Collaborated with team to develop Kinect-driven music recording tool in C#. Independently launched sleep-tracking mobile web-application in Ruby on Rails.

## Skills

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**Experienced** C#, JavaScript, jQuery, Python, TurboGears, Ruby (on Rails), C, SQL, MRJob (MapReduce), HTML/CSS/LESS, Unix/Linux, Git, Vim, Tmux, GDB, Backbone.js

**Familiar** Java, PHP, RequireJS, Angular.js, C++, IA32 Assembly, SVN, Lex/Yacc, Haskell

## Other Experience

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**Academia** Designed, developed, ran, and analyzed neuroimaging and behavioral studies to investigate the way humans read and process words. Published work in peer-reviewed, high-impact journals (e.g. Neuron) and presented findings at international conferences.