

Eric Waldman

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Work Experience

• Waldman Web Development

Montreal, QC

2015 - Ongoing

Develop web applications and mobile applications

– Cégep de la Gaspé

- Developed a lab management system for science students
- Quizzes with grading
- Records lab results and lab analysis
- Outputs a PDF in the style of a scientific journal
- *Technologies: Javascript, Python, Mithril.js, jQuery, Web2py, Latex*

– WheelPower

- Developed a system for coaches to track athletes' workouts and guide them toward peak performance
- Coaches prescribe workouts to athletes, and can view the results of athletes' workouts
- Athletes can view their prescribed workouts and enter the results (reps, duration, etc...)
- *Technologies: Javascript, Python, jQuery, flot.js*

– University of Ottawa

- Developed the frontend editor for a semantic computation language (IEML)
- An ontology editor for organizing words according to their semantic relationships
- A translation editor for mapping IEML terms to their English and French counterparts
- A folksonomy editor for mapping IEML concepts to Twitter hashes
- *Technologies: Javascript, Python, jQuery, SetDOM.js, Underscore, D3.js*

– Parliamentarians for the Americas

- Built an interactive display presenting research on gender discrimination within the Americas
- Extended the presentation to display research on climate change
- *Technologies: Javascript, jQuery, D3.js*

– McGill University

- Lead an extra-curricular workshop series introducing frontend and backend web development to undergraduate Engineering students.
- Databases, JavaScript frameworks, HTML, CSS, the JavaScript language
- Live-programming exercises kept students engaged

– Colby Monet

- Built an interactive display for the company's home page featuring an interactive company portrait.
- Developed a translation and localization module for their CMS system.
- *Technologies: Javascript, jQuery*

– **FreeAndForSale**

- Developed a Minimum Viable Product (MVP)
- Marketplace for universities
- Web application built in HTML, Javascript and Python
- iOS application built using PhoneGap Build
- *Technologies: Javascript, Python, Web2py, Cordova*

– **Mindbliss**

- Built a mobile application for iOS and Android using the Ionic and Angular frameworks and Cordova frameworks to stream guided meditations.
- Connected the app to the store for in-app purchasing.
- *Technologies: Javascript, Angular.js, Ionic, Cordova, Python, Flask*

• **Learning Bird**

Montreal, QC

Web developer for online learning platform

2014-2015

- Designed and built the analytics dashboard for account holders to gain key insights into the usage habits of their organizations.
- Restructured and reorganized the CSS codebase, cutting the number of lines of code in half.
- Lead the visual overhaul of the product and its marketing site.
- Designed and built their automated email system, allowing them to send several orders of magnitude more emails which resulted in a significant increase in customer engagement.
- *Technologies: Javascript, jQuery, PHP, MySQL, CSS, SCSS, HTML*

Education

• **McGill University**

Montreal, QC

Bachelor of Electrical Engineering (Honours)

2008-2012

Minor in Finance

– *GPA: 3.60/4.00*

- **Coursework:** Artificial Intelligence, Machine Learning, Numerical Methods, Corporate Finance, Financial Derivatives

Awards

• **McGill Datascares**

Montreal, QC

Best data visualization

November 2017

- Visualized the changes in bike lane usage over time based on data provided by the city of Montreal
- Explored the relationships between bike lane usage and the weather using data from the Government of Canada
- *Technologies: Javascript, Leaflet.js, jQuery*

Technical Skills & Interests

Languages: English (Fluent), French (Advanced), Hebrew (Beginner), Greek (Elementary)

Web: Javascript, PHP, Python, Ruby, Angular, React, Mithril, D3, jQuery, Django, Flask, Rails, HTML, CSS, SCSS, ES6, ES2017, Node.js, WordPress, Squarespace

Data: SQL, NoSQL, MongoDB, PostgreSQL, MySQL, SQLite, Matlab

Server: Linux, FreeBSD, Unix, AWS, Nginx, Apache

Media: Photoshop, Illustrator, GIMP, Inkscape, Darktable, Vegas