



# MARCEL DEGAS

Software Developer

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**WHO AM I:** Results-oriented full stack web-developer with experience in analysis, design, development, testing, and implementation of various internet-based applications. Proficient in a variety of platforms, languages and embedded systems.

## EXPERIENCE

01/2016 - Present

URL Monk

### Back-End Developer

- Co-created a Chrome Extension which allows users to send short bits of text directly to other users through the Chrome browser.
- Configured the API, Database and full suite of tests TAP.js, Nano.js, CouchDB and AJAX

08/2015 - 11/2015

General Assembly

### WDI Student

- Completed a 12-week Immersive program that builds fluency in full-stack software development with emphasis on work-ready skills through 800+ hours of training.
- Build multiple projects both individually and in groups

08/2010 - 06/2015

SF International High School

### Curriculum Designer and Instructor

- Designed and instructed project-based biology curriculum based on the Next Generation Science Standards.
- Supported junior teachers through a variety of leadership roles including master-teacher and team-leader (2013-2015).
- Facilitated the analysis of student performance and attendance data and the brainstorming of interventions.
- Trained at Stanford's Complex Instruction Academy and the Exploratorium's Teacher Academy.

06/2013 - 08/2013

Berkeley Lab

### Research Assistant

- Through an IISME (Industry Initiatives for Science and Math Education) Fellowship I worked under Dr. Eoin Brodie to design and carry out experiments showing how soil microbes respond to changing climate patterns and metabolize soil carbon.
- Created multimedia lesson plans based on my research and experience at Berkeley National Laboratory.

## PROJECTS

### Klassroom

An Educational Technology web-application which allows teachers to create optimized seating charts for their students. This was an individual project where I built the backend web server/database, the front-end user interface and wrote the optimal-sorting algorithm.

**Technologies:** Javascript, jQuery, AJAX, Express, Node.js, MongoDB, Angular, Bootstrap

**Github:** <https://github.com/marceltheshell/klassroom>

**Heroku:** [klassroomapp.herokuapp.com](http://klassroomapp.herokuapp.com)

### Mission Fresh Air

An e-commerce application selling commemorative jars of fresh air from Alaska in an effort to raise awareness and donate money to California-based non profits combatting air pollution.

**Technologies:** PostgreSQL, Ruby on Rails, Stripe, Facebook API, Heroku

**Github:** <https://github.com/farquhar86/mission-fresh-air>

**Heroku:** <http://www.missionfreshair.com/>

### Winestar

A wine tour itinerary planning web-application which enables users to create a customized wine-tasting experience through Napa or Sonoma based on preferences. This was a group project where I was responsible for implement the Stripe payment system and layout/ responsive design.

**Technologies:** Ruby on Rails, PostgreSQL, JavaScript, jQuery, AJAX, Stripe API, Bootstrap

**Github:** <https://github.com/winestar/winestar>

**Heroku:** [winestar.herokuapp.com](http://winestar.herokuapp.com)

## EDUCATION

2015

General Assembly

### Web Dev Immersive

12-week intensive course that builds fluency in full-stack web development

1999-2005

UC Davis

### Bachelor of Arts

International Relations with an emphasis in natural resources in the Middle East

## TECHNICAL SKILLS

**Languages:** Javascript, Ruby, CSS3, HTML5, العربية, Français, Español

**Framework & Libraries:** Node.js, Express, AngularJS, Rails, Bootstrap, AJAX

**Testing:** BDD, Mocha, Should.js, supertest.js Node- TAP, RSpec, Jasmine

**Database & Tools:** MongoDB, SQL, PostgreSQL, ActiveRecord, JSON

**Additional:** Git/Github, underscore, RESTful, Wireframing, API integration