

Diego Berrocal

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EXPERIENCE

Programmer, Recurse Center *Fall 2015 | New York, NY*

The Recurse Center is a self-directed, educational retreat for people who want to get better at programming.

- [Sweetgreen.el](#) — developed a program that allows you to place online orders at Sweetgreen without leaving Emacs. Used internal API from the domain to engineer the process with HTTP
- [GifBump](#) — built a Chrome extension using React that sends personalized fist bump gifs over the internet
- [nand2tetris.el](#) — gained deeper knowledge of how snippets are created in Emacs by making a major mode in this Emacs companion to nand2tetris
- [RSVP Bot](#) — used Test Driven Development with a team to upgrade a Zulip bot to understand a wider range of options.

Research Student, McMaster University *January 2015 - April 2015 | Ontario, Canada*

- Implemented a new watershed algorithm for partitioning molecules following guidelines from the Quantum Theory of Atoms in Molecules (QTAIM)
- Wrote and successfully implemented tests for personal code
- Learned the “pythonic” way programming by reading source code and going through all the docs
- Successfully toggled between implementations of the algorithm when the research requirements were changed weekly
- Learned how to debug efficiently

Full Stack Junior Dev, GMAT Dudes *January 2014 - June 2014 | Lima, Peru*

- Developed a GMAT Exam simulator in BackboneJS and Django
- Implemented MVC patterns in Single Page Applications
- Learned to provision servers with ansible
- Got a wide knowledge of many web technologies
- Experimented with a variety of solutions as the sole developer

SKILLS

Python, JavaScript, **Emacs**
Lisp

EDUCATION

Attended **Universidad Nacional de Ingenieria**, Peru
for Physics from Aug 2010 to
Dec 2014