Job Hernandez Lara

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Skills

Languages	Common Lisp, Python, JavaScript, Haskell, C
Tech	Django, DjangoRestFramework, ReactJS, Linux command line, Git, Emacs
Other	Rest API development, Coding concepts understanding, Software Life Cycle experience, Passion for hard problems, Team oriented

Projects

May 2023 **Linear Algebra Interpreter Social Media**, *Independent*, Python3, Django, DjangoRestFramework, Celery, Memcached, RabbitMQ, Git, Unit Tests
- Designed and implemented a REST API and back-end concepts with DjangoRestFramework; concepts include caching, message queue, distributed task queue.
- Implemented friend request and authentication, asynchronous notifications, news feed.
- Implemented an object oriented linear algebra interpreter. See Project on Github.

April 2023 - current **Coalton Programming Language**, *Open Source, 814 Github stars*, Common Lisp, Git, Production System
- One released open source contribution to the Coalton's standard library with a calculus library that was adopted by two quantum computing companies and 120 other users. See contribution here and was merged here.
- One released open source contribution the improved Coalton's standard library with the addition of new data types.

Nov 2022- Sep 2013 **"Python" to Assembly Compiler**, *Independent*, Common Lisp, Git
- Stretched myself by implementing most of a compiler in one month. See Project
- Implemented core programming constructs which gave me ability to make more pragmatic decisions when choosing a programming language.

Jan 2021- June 2022 **ReactJS Web App**, *Open Source developer*, JavaScript, ReactJS, MUI, Firebase, Git, Agile
- Instrumented test coverage and increased coverage by 18 percent.
- Released 15 open source contributions by systematically investigating the code base.

Interests

I write a technical blog. Best articles include a piece on How the Internet works and one piece on A Semi Deep Dive into Python.

Education

2012-2013 **Western Washington University**, Bellingham, WA