Job Hernandez Lara

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*Enthusiastic about computer science and about its application
to software engineering.*

Skills

Languages	Common Lisp (comfortable), Python (comfortable), JavaScript (comfortable), Haskell (basic), C (basic), x86-64 (basic)
Tech	Django (comfortable), ReactJS (basic), Linux command line, Git, Emacs
Other	Rest API development, Object Oriented Programming, Algorithms and Data structures

Experience

May 2023 — **Computer Algebra Social Web Service**, *Independent*, Python3, Django, Django-Rest-Framework, Git, Unit Tests
- Designed and implemented a back-end REST API by creating user stories and workflows.
- Implemented a friend system and authentication, and other endpoints.
- Implemented an object oriented computer algebra system.
- See Computer Algebra Social Web Service on Github.

April 2023 - current — **Coalton programming language**, *Open Source*, Common Lisp, Git
- Implemented new data types thereby extending a programming language that is used in production at at quantum computing company.
- Implemented a library that enables users to write math programs for scientific purposes.
- Worked as a team and hence was involved in the software engineering cycle – e.g., code review, addressing reviews.

Nov 2022- Dec 2022 — **Python to Assembly Compiler**, *Independent*, Common Lisp, Git
- Stretched myself by implementing 70 percent of a university senior level quarter substantial programming project in 10 days and learning enough assembly.
- Designed a compiler for a subset of Python by creating use cases.
- Achieved a much deeper understanding of the Python language and programming and systems in general.
- See Python Compiler Project

Jan 2021- June 2022 — **Open Source Software Developer**, *JavaScript, ReactJS, MUI, Firebase*, Git, Agile
- Instrumented test coverage and increased coverage by 18 percent.
- Shipped and implemented 15 github issues by systematically investigating the code base
- Other developers happily accepted my changes through a code review process.

Education

2012 – 2013 — **Western Washington University**, Bellingham, WA