

jaccarmac@gmail.com
+1 209 881 7455

Jacob MacDonald
<https://jaccarmac.com>

<https://www.linkedin.com/in/jaccarmac>
<https://github.com/jaccarmac>

Skills

Most comfortable with Java, C#, Python, JavaScript, Clojure, Docker, Git, Linux, Emacs Lisp, Go
Have worked with C, PHP, Common Lisp, HTML/CSS, Lua, Fossil, Windows, macOS, Android

Experience

Web Engineer at Axxess

March 2017 - November 2017

- Improved development speed and accuracy by renovating a test suite
- Improved error response with Redis/Kibana real-time logging and analytics
- Reduced time to update medical forms with a new data format and pipeline

Junior Developer at Stickman Ventures

August 2013 - March 2017

- Enabled offline web functionality with Polymer/Firebase/service workers
- Developed applications for embedded/wearable devices like Google Glass
- Added 3-D interactivity to an e-commerce site with WebGL

Intern at Chroniced, Inc.

October 2016 - March 2017

- Added cryptocurrency integration to a B2B/B2C product information portal
- Tested and deployed software as part of a distributed/remote team
- Integrated a custom server framework with AWS endpoints

Projects

Paleothele informaticus

- Explored the uses of neural networks on language syntax trees
- Helped a Common Lisp GPU programming library run natively on Windows
- Used TensorFlow calculations and visualizations inside Docker containers

Drive My Car

- Programmed a microcontroller in Lua to receive wireless commands
- Managed a queue of WebSocket messages to create those commands
- Resolved version control (Git) and deployment (Heroku) issues

Creative App Engine

Creative App Engine is a collection of tiny projects and talk created for a Google Developer Group event. The projects are demos of deployments to Google App Engine managed environments using languages which are not officially supported.

quse-package

quse-package is an Emacs package containing a macro which composes two package management utilities for Emacs, `quelpa` and `use-package`. I use it extensively in my Emacs init file.

Education

Neumont University, Salt Lake City, Utah
B.S. Computer Science, cum laude

October 2014 - March 2017