

# RICARDO RAMOS

## Electrical Engineer - Software Developer

### WORK EXPERIENCE

#### CO-FOUNDER & LEAD DEVELOPER

iHealthy | Mar 2020 - Oct 2020

Built a service to aid physicians in writing and signing digital medical prescriptions.

Developed and maintained applications and systems which verified medical practitioners identity, which resulted in a secure onboarding process.

The service was built using Django and React, and deployed in Docker containers.

Developed a RESTful API in DRF along with an iframe widget for integration of prescription service in a similar fashion to Stripe and Intercom.

#### SOFTWARE ENGINEER

Agrobolt | Jan 2018 - Sep 2019

Programmed and tested firmware written in C for precision agriculture sensors which were then deployed on the field to collect data for clients.

Developed an internal tool in Flask and Vuejs for monitoring the status of sensors and alert when unexpected events happened, which resulted in an 80% reduction in sensor downtime.

#### SOFTWARE ENGINEER - STUDENT

Space and Planetary Exploration Laboratory, Universidad de Chile | Jan 2018 - Dec 2018

Developed a spaceflight simulator in python for an operational 1U cubesat, which resulted in an improved prediction and planning of propellant and energy usage in orbital maneuvers.

#### SOFTWARE ENGINEER INTERN

Adentu | Dec 2016 - Feb 2017

Debugged and fixed third-party flight software for drones, which resulted in a 30% cost saving over alternatives.

### EDUCATION

#### FULL STACK DEVELOPER

Self Taught | Mar 2019 -

#### ELECTRICAL ENGINEERING

Faculty of Physical and Mathematical Sciences, Universidad de Chile | Mar 2013 - Apr 2019

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### SKILLS

#### PROGRAMMING LANGUAGES

**Python**, Javascript, Elixir, C/C++, Ruby

#### BACKEND

**Django, DRF**, Flask, Phoenix, Rails

#### FRONTEND

**React**, Vue

#### DEV OPS

AWS, Terraform, Ansible, Docker & Kubernetes

#### OTHER

Git, SQL

#### LANGUAGES

Spanish: Native

English: Conversational

### INTERESTS

#### ENGINEERING

Aerospace, AI, Web development, InfoSec

#### OTHER

Game Dev, 3D Modeling and Animation, Rock Climbing, Languages