RYAN CARPENTER

FULL STACK WEB DEVELOPER

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SKILLS

JAVASCRIPT	jQuery, AJAX, Svg, Node, Express, highcharts, d3
DATABASE	SQLite, PostgreSQL, ActiveRecord, Parse
RUBY	Rails, Rspec, Sinatra, RMagick
VERSION CONTROL	Git, Github
RESEARCH	C++, Python, Numerical Analysis, Applied Physics, Matlab
TEAM SKILLS	Agile Developement, Test Driven Development, Pair Programming
WEB	HTML5, CSS

PROJECTS

mini Time Cube (mTC)	A new approach to detecting neutrinos with directionality.
TheHufts	An app that streamlines the process of developing and using a stock trading strategy, making it a viable investment option for anyone.
MeasureTwice	An app that aids in the process of moving from start to finish, with an emphasis on the planning phase.

EXPERIENCE

Aug 2015 to Current

Dev Bootcamp - Teaching Assistant - San Francisco
Phase-2: Teaching new developers the basics and best practices of jQuery, Sinatra, ActiveRecord, Ruby and Javascript.

Nov 2015 to Current

TheHufts - Group leader - San Francisco
Continual development of the stock algorithm testing platform.

Aug 2015 to Nov 2015

connectIQ - Junior Developer - San Francisco
- Full stack development for the web-portion of the app currently being developed.
- Designed and implemented an online admin portal
- Utilized highcharts.js to produce a visual representation of the data and metrics used by admins

Feb 2015 to Jun 2015

Dev Bootcamp - Student
- Graduated from Dev Bootcamp, an 18-week intensive training program for full stack web developers. Specialized in Ruby, Rails, Active Record, object-oriented Javascript (AJAX & jQuery), CSS and HTML.

2013 to 2014

University of Hawaii High Energy Physics Department - Laboratory Physicist
- Developed data analysis tools for development and optimization of event detection algorithms (Muon Cherenkov cones / Neutron scintillation events)
- Analyzed waveform phase differentials and corrections algorithms (via development of templates for timing alignment)
- Flat fielding of photomultiplier tube arrays (Adjusting the high voltage HV supply to produce uniform signal response)

2013 to 2014

Honolulu Simply Tutor - Private Contractor
- Tutoring students in advanced undergraduate mathematics courses including differential equations and calculus IV.

2013 to 2013

University of Hawaii at Manoa - Scientific Instrument Technician
- Mapped out photomultiplier tube sensor locations in C++, and wrote extensions for data analysis using MATLAB.
- Installed pieces of a particle detector - circuit boards, cable connections, panels, etc.
- Ran and designed experiments to determine what flow rates were needed in the detector's cooling system.

EDUCATION

2013

University of Hawaii at Manoa
Bachelor of Science (BS) in Physics