

Paul Richter

Full-stack JavaScript Developer

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SUMMARY

I'm a full stack Javascript / MEAN developer with a background in scientific computing, interested in working at a fast paced company with tasty problems.

SKILLS

Programming

- MEAN stack
- jQuery
- React
- Unix/Bash
- Ionic
- MATLAB
- Fortran

Front-end Development

- HTML 5
- SCSS/CSS
- Foundation

APIs/Packages/Etc

- Git
- Gulp/Grunt/jspm/webpack
- Firebase
- Ionic
- Google Maps
- Microsoft Azure
- Vim

RELEVANT EXPERIENCE

Coding House Fremont , CA

October 2015 - Present

Freelance Web Developer / JavaScript Tutor

- Build Web Apps 70+hrs/week, using various frameworks/APIs
- Review and comment student code with advice on readability, coding style, and UI/UX improvement
- Tutor class of 26 students on various JavaScript technologies including AngularJS, jQuery, Node.js, MongoDB, React, etc.

DeJong & Co. Los Angeles , CA

December 2014 - August 2015

Design Consultant / Furniture Builder

- Part of a 3-person team, operating a company with over \$400,000 yearly revenue
- Designed high-end furniture for multiple custom projects valued over \$100,000, with a focus on ergonomics, durability, and aesthetic
- Designed and built novel furniture prototypes for external clients, while working 65hrs/wk in to deliver by company project deadlines

Cornell Environmental Fluid Mechanics Ithaca , NY

July 2010 - August 2011

Computational Fluid Dynamics Researcher

- Modified and ran numerical simulations of internal gravity waves, using spectral methods and Legendre psuedo-spectral methods in Fortran 90
- Analyzed large data sets and create dynamic data visualizations of internal waves in MATLAB
- Presented research at annual American Physical Society fluid dynamics conference in Long Beach
- Collaborated with PhD students and research advisor, including weekly research summaries

EDUCATION

Cornell University Ithaca, NY

May 2011

BS Civil Engineering

Honors: Dean's List, ELI Research Grant, APS Division of Fluid Dynamics travel award

Courses: Advanced Numerical Methods, Engineering Computation, Stochastic Processes, Linear Algebra

OTHER EXPERIENCE

Oct 2011 - Dec 2012 : Crossed the US in a zero-cost urban survival journey living in a truck. Busked the streets using a drum kit that fits in a suitcase. Volunteered at Boulder Food Rescue, Food Not Bombs, and Community Cycles

Feb 2013 - Oct 2014 : Worked as Bike Mechanic / delivery Fleet Manager at salad chain Greenleaf Chop Shop

INTERESTS

Biking, Chess, Riddles, *Really* spicy hot sauce