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

- MEAN stack	- HTML 5	- Git
- jQuery	- SCSS/CSS	- Gulp
- Unix/Bash	- Foundation	- Heroku
- MATLAB	- React	- ECMA2015

FAMILIAR WITH

- Ionic	- GraphQL	- Google Maps
- jspm/webpack/browserify	- Firebase	- socket.io

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, longevity, 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 created 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