

# 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     | - Fortran    | - ECMA2015 |

## FAMILIAR WITH

- |                         |            |               |
|-------------------------|------------|---------------|
| - React w/flux          | - Ionic    | - Google Maps |
| - jspm/webpack/browerfy | - 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, 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