

# ZACHARY T. OLSON

Front-End Engineer

*Node, Rails, PHP, .NET*

*Javascript & Backbone, Ember, D3, Highcharts, MapBox*

*CSS & SASS*

## Work

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### **Offset by Shutterstock**

Front-End

New York, NY

2014 – Present

- Built out the Offset.com Node application as part of an Agile team of four developers
- Developed and deployed web services to support the main ecommerce application
- Managed the infrastructure that supports Offset and its services using Puppet
- Wrote both Mocha unit tests and Cucumber acceptance tests to ensure code quality and site stability
- Employed ImageMagick and FFMPEG to create a video processing service in Node
- Collaborated with marketing team to implement tracking with Segment and Google tag manager

### **Euclid analytics**

Front-End

Palo Alto, CA

2012 – 2014

- Collaborated on team of 3 to develop Euclid's core product, a customer facing analytics dashboard
- Developed rich, javascript-based data visualizations using highcharts, d3, processing.js, and mapbox
- Built several internal web apps that allowed coworkers to monitor customers' data
- Wrote a data querying application to make interacting with our redshift instance easier and scheduled
- Created and managed Euclid's public facing website and purchasing process

### **Office of the comptroller of the currency, United States government**

Full Stack

Washington, DC

2011 – 2012

- Developed and upgraded core ASP.NET management applications used by the OCC's 4,000 employees
- Built a windows service to manage contacts in an emergency response system using active directory
- Coordinated with customers, project managers, and QA teams to work through the entire product life cycle

### **Human rights campaign, Grameen foundation, Humane farm animal care**

Front-End, Online Marketing Intern

Washington, DC

2010 – 2011

### **University of Maryland institute for advanced computer studies**

Full Stack, Blackberry Developer

College Park, MD

2008 – 2012

- Built a PHP application to allow researchers to showcase their work in the department
- Supported and upgraded an existing PHP application that researchers used to catalog publications
- Developed a Blackberry app with Java that allowed nurses to conduct patient interviews
- Created a PHP application that gathered recorded data from both the Blackberry app and the iPhone app

## Education

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### **University of Maryland at College Park, R.H. Smith school of business**

Bachelor of Science: Information Systems, Operations Management

May 2012

GPA: 3.7

#### **Activities**

- QUEST honors fellows program and Social innovation fellows programs
- Beyond the classroom and College Park scholars honors programs
- Habitat for humanity, University of Maryland chapter: Vice president & webmaster
- Student government association, University of Maryland: webmaster
- TerpNetworks, Human computer interaction lab, University of Maryland: web developer