

# kristen zych

## PROFILE

**I am looking for a software engineering position that leans toward scientific research. I have skills in scientific computing and want to be involved with data-driven decision making.**

## EDUCATION

### **Bachelor of Science in Physics**

University of Florida, Gainesville, FL

Graduated 2013

## SKILLS

**Python - Flask   HTML/CSS/JavaScript   Backbone.js   Git**  
**Perl   MongoDB   MySQL   Matlab   AWS**  
**Designing Experiments   Research Methods   Signal/Data Processing**  
**AngularJS   C++   Cybersecurity**

## EXPERIENCE

### **Open Mortgage LLC, Austin, TX**

**July 2014 - May 2015**

Junior Software Engineer

My contributions to Open Mortgage include maintaining and building features for the proprietary Loan Origination System (LOS) software and being a point of contact for user questions and problems. I integrated the software with many services including but not limited to Google Geocoding and OAuth, Zoho CRM, and Atlassian.

### **Epic, Verona, WI**

**August 2013 - May 2014**

Technical Services Analyst

Epic is the national leader in electronic medical record software. I provided technical expertise including daily support where I relayed guidance through web conferencing and on-site trips.

### **University of Florida**

**August 2010 - May 2013**

Undergraduate Researcher

Participant in the Cryogenic Dark Matter Search. I performed detector pulse simulations, situational electrical noise effects on detector communication hardware, and from-scratch signal processing for a MEMS accelerometer.

### **Nikhef, Amsterdam, the Netherlands**

**June 2012 - July 2012**

Undergraduate Researcher

Search for Gravitational Waves with VIRGO project.

**University of Maine**

**June 2011 - August 2011**

Undergraduate Researcher

Signal processing for Surface Acoustic Wave sensors

**University of Central Florida**

**October 2007 - March 2008**

Research Apprentice

Theoretical treatment of dissociative recombination for bound particles

**INTERESTS**

Data science, analytics, sensing systems, computer modeling, game development, accelerator physics, dark matter physics, sustainable practices, economics, startups, learning languages, travel, Doctor Who