

# Quentin Donnellan

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**gist:** *a high school calculus teacher with engineering degree and two years Python web-development experience is actively pursuing opportunities in software development*

## EXPERIENCE

### STUDENT

<b>Physics Education</b> , MA	University of Virginia – 2012
<b>Aerospace Engineering</b> , BS	Texas A&M University – 2007

### TEACHER

2008 —

<b>Fossil Ridge High School</b>	Keller ISD – Fort Worth, TX
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Since 2008 I have taught Geometry, Physics, Astronomy, Calculus, and Engineering. I grew the Astronomy program from less than 20 students to over 120. I doubled the enrollment in AP Calculus and produced more students with passing AP scores in school history. I am a vocal member of the district's technology committee.

### ENTREPRENEUR

2013 —

<b>Hone School</b>	Founder, Instructor, Developer
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An after school program which teaches students the fundamentals of robotics and programming. Our vision is to develop this into a pathway through which students earn marketable skills outside existing education frameworks. My roles: teaching, writing curriculum, managing our website/curriculum webapp.

## SKILLS

### PROFICIENT

**Python, Jinja2, HTML/CSS, webapp2, L<sup>A</sup>T<sub>E</sub>X, Twitter Bootstrap**

### DEVELOPING

**Ruby, JavaScript, KnockoutJS, Flask, Django**

## OTHER WORK

### EdTech DFW Meetup

I founded and currently help organize this meetup for local entrepreneurs and educators in the Dallas/Fort Worth area.

### University of Texas, Astronomy Department

Through a teacher program sponsored by UT-Austin, I have participated in a nighttime observing run on telescopes at the Mauna Kea Observatory, Hawaii; delivered workshops to teachers at the McDonald Observatory; and traveled annually to the American Astronomical Society Meetings throughout the county.

## WEB DEVELOPMENT

### lessonwell

### Mercurial (Kiln)

[www.lessonwell.com](http://www.lessonwell.com)

Content-management system for my calculus class. Python on Google App Engine, integrated with the Stripe API. Over 130 other teachers are using it to share their lessons with their classes

### Calculus on Chrome

[calculusonchrome.appspot.com](http://calculusonchrome.appspot.com)

After my work on qCalculus, I desired a simple platform to put my Calculus lessons online. This webapp was my first venture into responsive web design (bootstrap). Python on Google App Engine.

### Hone School

[www.honeschool.com](http://www.honeschool.com)

Curriculum app for our robotics and programming afterschool program. A one page website built on KnockoutJS and derived from lessonwell. Also Python on Google App Engine.

### speculeus

[speculeus.appspot.com](http://speculeus.appspot.com)

A lens review website for users of the micro-4/3 photography platform. This app allows users to recommend lenses and suggest uses for each lens. Python app on Google App Engine.

### Git (Kiln)

### Personal Website

[www.qdonnellan.com](http://www.qdonnellan.com)

My public sandbox and professional portfolio built with Python on Google App Engine. My blog located here represents my first attempt at a one-page webapp built on KnockoutJS

### qCalculus

[qcalculus.appspot.com](http://qcalculus.appspot.com)

After completing the Udacity CS253 Web Development class, I built this app to be the web portal for my Calculus class. UI Elements were modeled after my Udacity and Khan Academy influences.

### Git (Github)