

Quentin Donnellan

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

EXPERIENCE

STUDENT

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

TEACHER

2008 —

Fossil Ridge High School	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 —

Hone School	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^AT_EX, 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

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

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

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.

speculeuss

speculeuss.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

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

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)