Quentin Donnellan

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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

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 enrollement in AP Calculus and produced more students with passing AP scores in school history. I am a vocal member of the district's technolgoy committee.

ENTREPRENEUR — 2013 —

Hone School	Founder, Instructor, Developer

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 oustide exising education frameworks. My roles: teaching, writing curriculum, managing our website/curriculum webapp.

SKILLS

PROFICIENT

Python, Jinja2, HTML/CSS, webapp2, LaTeX, Twitter Bootstrap

DEVELOPING

Ruby, JavaScript, KnockoutJS, Flask, Django

OTHER WORK

EdTech DFW Meetup
I founded and currently help organize this meetup for local entrepeneurs 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 nightime observing run on telescopes at the Mauna Kea Observatory, Hawaii; delevered workshops to teachers at the McDonald Observatory; and traveled yearly 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

Hone School — Git (Kiln)
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.

Personal Website — Git (Github)
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

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.

speculess
speculess.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.

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.