

ABOUT



I have a passion for coding and an insatiable need to create. I combine these with my history as a science teacher to create user-centered experiences that are both logical and elegant.

SKILLS



WEB DESIGN

InVision
Sketch
Balsamiq
UsabilityHub
Adobe CC
GIMP
GitHub
Responsive design

PROGRAMMING

HTML
CSS 3
CSS Grid
JavaScript
jQuery
PHP
Java
C#
XML
XSLT
xQuery

OTHER SKILLS

Presentation
Data analysis
Sprints & Refactoring
Unity3D ( demo)
PC Tech

EDUCATION



BLOC

9-month UX / UI Designer Track

UNIVERSITY OF COLORADO

M.Ed. in Secondary Science
B.A. in Astrophysics

PROJECTS



NEW HORIZONS: STUDENT DUST COUNTER

Designed and ran the original website for CU's Student Dust Counter instrument aboard the NASA New Horizons mission.

CLOSE THE AIRLOCK!

Custom built a PHP wiki for a tabletop roleplaying podcast. This required editing the wiki's underlying code and gained a Patreon following.

BLACKSTAFF: WIZARD OUTCAST

Wrote a gamebook and self-published it through Amazon's CreateSpace platform. Have sold more copies than the average CreateSpace project.

SELECTED EMPLOYMENT



TERRAXML • CONTRACTED SOFTWARE ENGINEER

8/2017 - 9/2017

Performed bug-fixes and code refactoring on a 10-year old proprietary program developed in-house.

WYZANT • INDEPENDENT TUTOR

3/2014 - 8/2017

Over 200 hours of tutoring in high school and college math and science with every one of 95 reviews at 5 stars.

BELLEVUE CHRISTIAN SCHOOLS • HS SCIENCE TEACHER

6/2011 - 5/2017

The sole high school science teacher. Half the courses taught were for direct college credit in association with Colorado Christian University.

LASP • VARIOUS

3/2002 - 7/2008

- Programming and analysis of roughly 1 million data points.
- Web design and development for in-house scientists.

