

Kelly Hougland

Skills in Development and Course Experience

Python

Focus on data analysis and back end dev using MySQL, Flask, and Jinja2 Templates

C#

MVC, ASP.NET, EntityFrameworkCore

HTML

Git

Coding Projects

Ionic Framework

Making a scheduler to assist with making lifestyle changes

R

Designed an individual based model for use in approximate Bayesian computation and MCMC

Performed Survival and Betabinomial Regression analysis of research data

Python

Initiative tracker for tabletop RPG

Population model with immigration/emigration, random mating, and chromosome assignment

C#

Deck builder for FF card game

Matlab

Designed individual based model for research

Work History

Substitute Teacher – Kelly Employment Services

November 2017 to Present

I communicate with students without established rapport that involves adapting my approach to discipline and communication depending on the background of the class and student.

After School Program Teacher – Mad Science of Saint Louis

September and October 2017

I ran prepared courses for Grade Schools in the Parkway District.

Teaching Assistant - University of Missouri

Spring of 2014 – 2017, Fall 2012 – 2016

I designed lectures and experiments and lead classes through them.

Associate Scientist – Senoret Chemical

2009 – 2012

I formulated products and performed quality and efficacy testing. I also worked closely with the COO and product design team and designed and improved the laboratory.

Assistant Scientist – Steris Corporation

2006 – 2009

I performed product research, experimental and design, product research and test. I then had to present my findings in department meetings.

Education

Launchcode

LC101 Graduate

University of Missouri

M.A. in Biology Dec. 2017

Ecology, Evolution, and Behavior

Dr. Reginald B. Cocroft, Advisor

Truman State University

B.S. in Biology Dec. 2005

Minor East Asian Studies

Contact

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