# Neil Thawani

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## About

Devoted to helping students and teachers learn STEM + Computing through developing innovative, evidenced-based solutions

## Education

**Carnegie Mellon University**
**School of Computer Science**
M.S. Educational Technology & Applied Learning Science
Expected August 2020

**University of Missouri**
B.S. Electrical Engineering
B.A. Psychology
Minors: Russian, Computer Science
Columbia, MO
May 2013

## Selected Courses

E-Learning Design Principles
Educational Goals, Instruction & Assessment
Natural Language Processing
Human Language for Artificial Intelligence

## Skills

**Research**
Cognitive Task Analysis
Contextual Inquiry
Affinity Diagramming
Quantitative Data Analysis

**Design**
Prototyping
Storyboarding
Interaction Design
Research, Writing

**Software Development**
HTML, CSS, JavaScript
Ember, D3, QUnit, QUnit, Sinon, Node
Python
Agile Development
Object-Oriented Design

## Professional Experience

### Software Engineer
Infegy, April 2015 - May 2019
• Designed/developed dashboard UI elements for two SaaS platforms: Atlas and Canvas using Ember.js and D3.js
• Performed QA on remaining defects prior to releases, resulting in zero bug reports post-release

### Teaching Assistant (Data Analytics)
University of Kansas – Edwards, February 2018 - August 2018
• Mentored 25 students developing web and Python-based applications

### Software Developer in Test
DST Systems, November 2013 - March 2015
• Debugged issues and wrote tests using saving 1700+ hours in testing time per 4-week sprint
• Trained a team of 3 interns to build upon our automated testing infrastructure, resulting in $50,000 annual savings

### Software Engineering Intern
Code Painters, June 2013 - August 2013
• Created the Code Painters website using Django
• Created a real-time, location-based image sharing iOS app called Snap!

### Research Assistant, Computational Neurobiology Center, University of Missouri, January 2011-July 2013
• Wrote an honors research thesis titled "Experiments in the MU Fear Conditioning Chamber"
• Created a computational model to understand the electrophysiological characteristics of skin conductance in a classical fear conditioning and extinction paradigm

## Volunteer Experience
• Executive Director, CoderDojo Pittsburgh (June 2019 – Present)
• Scratch/Web Development Mentor, Coder Dojo Kansas City (January 2014 – May 2019)
• Web Development Mentor, Django Girls Kansas City(July 2017)
• Webmaster, AIESEC Life 60th Anniversary Reunion (October 2016)
• Organizer and Developer Mentor, Kansas City Startup Weekend (May 2014 – May 2016)