John Wyse
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New Haven, CT

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SKILLS

Python

JavaScript

SQL

C

HTML/CSS

Git/GitHub

Django

EDUCATION

Harvard CS Courses:
CS50: Introduction to CS
CS50W: Web Development

Master's of Education
(Secondary Math)
Boston University - 2017

Bachelor of Science
Vanderbilt University - 2015

INTERESTS

Rock Climbing

Drums / Guitar

Puzzles and Board Games

Family Hikes

PROFILE

I am a former high school math and physics teacher and self-taught programmer. Over the past year, I have taught myself to code through Harvard's CS50 coursework and CodeAcademy. I believe my portfolio demonstrates a strong ability to learn quickly and solve problems, while my teaching experience has sharpened my communication, leadership, and time management skills.

PORTFOLIO

Property Manager *(Code) (Demo)*
A web app that connects property managers and their tenants. Users can send messages, report and solve maintenance issues, and view rental documents. Written in Python, JavaScript, HTML/ CSS/Bootstrap using the Django framework.

Connect *(Code) (Demo) (Video)*
A Connect Four-style game that allows users to play in the terminal on different size boards. Written in Python.

Physics *(Code) (Demo)*
A mobile-friendly, single-page web app with references, examples, calculators, and practice problems (that give feedback) for physics topics. Written from scratch with JavaScript, HTML, and CSS.

EXPERIENCE

Physics and Computer Science Teacher
Boston Collegiate Charter School | Boston, MA | Aug. 2017 - July 2021

- 9th-grade level leader: led 10 teachers and ~100 students in all school activities and family communication; served as the liaison between teachers and administration
- Facilitated introductory computer science course through code.org
- Designed and taught physics curriculum, focusing on exploratory and evaluative tasks through virtual simulations and engineering design projects
- 90% proficient/advanced scores on the state physics exam (47% for Boston)
- Transformed course for remote and hybrid learning by utilizing Google Classroom, Nearpod, Jamboard, Gizmos, Kahoot, Quizlet, Flipgrid, and Desmos
- Cross-country head coach (2019 conference champs) and chess club sponsor

Math Teacher
Phoenix Charter Academy | Chelsea, MA | Aug. 2015 - July 2017

- Taught and created curriculum from scratch for Algebra 1 and Geometry courses
- Designed and implemented multi-day project-based assessments for 9 units
- 91% proficient/advanced on state math exam (40% for Chelsea)
- Communicated daily with students and families, averaging ~8 calls home per week