


John Wyse

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SKILLS

Python
JavaScript
SQL
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. Since leaving the classroom in June 2021, I have taught myself to code through Harvard's CS50 and CS50W courses and Codecademy. Now, I'm ready to begin a full-time software developer career. I believe my portfolio demonstrates a strong ability to learn quickly and solve problems independently, while my teaching experience has sharpened my communication, leadership, and time management skills.

EXPERIENCE

SOFTWARE DEVELOPER - PORTFOLIO

Property Manager ([Live Project](#)) ([Code](#)) ([Video](#))

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.

Physics ([Live Project](#)) ([Code](#)) ([Video](#))

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.

Connect ([Live Project](#)) ([Code](#)) ([Video](#))

A Connect Four-style game that allows users to play in the terminal on different size boards. Written in Python.

EDUCATOR

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