**John Laffey**

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**Objective**

While I am currently employed as a Broward County Public Schools educator, I’ve found my true passion in web design and development. Over the course of the last two years, I’ve self-taught myself several programming languages via online courses and now pursuing a new career path as a web developer. My experience in the classroom, first-hand understanding of current BCPS online tools, and proficiency in web design and development make me an excellent candidate for the Florida Virtual School Web Developer position.

**Recent Projects**

**hour\_calc! (bit.ly/hourcalc)**

This web app was created to easily track and calculate working hours for a contract employee. It utilizes HTML and Bootstrap for the frontend and Flask / PostgreSQL for the backend. This project is in ongoing development and improvement on GitHub, but can be viewed and tested locally.

**PyCurve (bit.ly/pycurve)**

This web app is utilized by members of the Cooper City High School chemistry department. Teachers were curving tests by hand, but can now use this tool to be more efficient. Using Python, this web app utilizes HTML and Bootstrap for the frontend and Flask for the backend. To manipulate the data it uses pandas to read/write to files and OS to save and remove files from the static folder.

**Internet Speed Complaint Bot (bit.ly/3OCxkdw)**

This program uses headless Selenium and connects to speedtest.net to scrape internet download speeds. If the speed is slower than 25% of the most efficient speed, it logs into a Twitter bot account and sends a tweet to Xfinity to fix the problem. While I could have used the Python CLI program from PyPI to achieve this, I wanted to test a new method using headless Selenium.

**Education**

**Udemy**

100 Days of Code: The Complete Python Pro Bootcamp for 2022

*An online course to master Python by creating 100 projects in 100 days. A complete understanding of automation, game, app and web development, data science and machine learning all using Python. Proficiency in Selenium, Beautiful Soup, Request, Flask, Pandas, NumPy, Scikit Learn, Plotly, and Matplotlib.*

Ultimate Web Designer & Web Developer Course

*An online course to learn everything from web design fundamentals to front-end web development. Proficiency in HTML5, CSS3, PHP, MySQL, and WordPress.*

**Broward College, 2019**

Bachelor of Science in Environmental Science

Certificate in Geographic Information Systems

**Work History**

**Broward County Public Schools**, Cooper City, FL

*Educator, 2020-Present*

**Waste Management**, Pompano Beach, FL

*Welder, 2014-2015*

**United States Air Force**, Ogden, UT

*Military Working Dog Handler, 2006-2013*

**Skills**

**Languages**

Python, JavaScript, HTML5, CSS3

**Web Development**

jQuery, Flask, Django, Express, Bootstrap, Node, Go

**General Skills**

Linux, git, JSON, pandas, SQL, MongoDB, Object-Oriented Programming