Tyrell L. Frame

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github.com/tlframe2

PROJECTS

Song Splitter – *Python*
- Downloads audio file of album or song mix from YouTube
- Splits file into individual songs based on time links scraped from video's page using BeautifulSoup

Stock Chart Generator – *Python*
- Uses Matplotlib to graph stock's financial data retrieved using Quandl's API
- Plots closing price, 20-day mean closing price, and Bollinger bands to indicate price volatility

Ledger – *JavaScript, HTML, CSS*
- Budget tracking web application
- Allows user to log details of income and expenses
- Displays money available and percentage of total income spent

Off-Axis Micro Coil Winder – *C++*
- Produces instruments used in minimally invasive surgeries
- Wired and programmed Arduino to serve as user interface to control device's motors

Maze Solving Robot – *C++*
- Autonomously navigates and maps maze using sensors
- Identifies most efficient route using custom algorithm after traversing maze once

EMPLOYMENT

Computer Science & Math Tutor – West Virginia University at Parkersburg: *February 2017 – Present*
- Lead tutoring sessions with group sizes ranging from one to five university students
- Most students report at least a one-letter grade improvement on exam scores and homework

Seasonal Sales Associate – GameStop: *November 2016 – January 2017*
- Leveraged knowledge of company's products to assist customers during the busy holiday season
- Quickly adapted to perform various tasks with limited training such as processing sales, returns, and trades

EDUCATION

West Virginia University at Parkersburg – **Parkersburg, WV:** *January 2017 – Present*
- Computer Science – GPA: 4.0
- Honors – Dean's List: Spring 2018
- Coursework – Object Oriented Programming, Intro. to Linux, Information Systems, Intro. to Programming

Colorado School of Mines – Golden, CO: *Graduated May 2016*
- B.S. Mechanical Engineering

SKILLS

Languages: Python, JavaScript, HTML, CSS, Java, SQL, C
Frameworks: Django, Bootstrap
Databases: PostgreSQL, MySQL
Tools: Git, Linux Shell, Jupyter Notebook