

TYRELL L. FRAME

tlframe2@gmail.com | linkedin.com/in/tyrellframe | github.com/tlframe2 | (304) 377-6527

PROJECTS

Song Splitter – *github.com/tlframe2/Song-Splitter*

- 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
- Python

Stock Chart Generator – *github.com/tlframe2/Stock-Chart-Generator*

- Uses Matplotlib to graph stock's financial data retrieved from Quandl's API
- Plots closing price, 20-day mean closing price, and Bollinger bands to indicate price volatility
- Python

Ledger – *tlframe2.github.io*

- Budget tracking web application
- Logs details of income and expenses
- JavaScript, HTML, CSS

Off-Axis Micro Coil Winder

- Produces instruments used in minimally invasive surgeries
- Wired and programmed Arduino to serve as user interface to control device's three DC motors
- C++

Maze Solving Robot

- Autonomously navigates and maps maze using sensors
- Identifies most efficient route using custom algorithm after traversing maze once
- C++

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
- Coursework – Object Oriented Programming, Information Systems, Intro. to Computer Science, Statistics

Colorado School of Mines – **Golden, CO:** *Graduated: May 2016*

- B.S. Mechanical Engineering

SKILLS

Languages: Python, JavaScript, Java, C, C++, SQL, HTML/CSS

Technologies: PostgreSQL, Jupyter Notebook