# 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

**NATO Converter –** *Python, Flask*
- Receives text message from user and translates body of message into NATO phonetic alphabet spelling
- Returns message to user via SMS by utilizing Twilio's API

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

**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*
- A.A.S. Computer Science – GPA: 3.86
- Honors – Dean's List: Spring 2018
- Coursework – Data Structures, Web Application Development, Object Oriented Programming, Linux

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

## SKILLS

**Languages:** Python, JavaScript, HTML, CSS, Java, SQL, C#, C
**Frameworks:** Django, Flask, .Net Core, Bootstrap
**Databases:** PostgreSQL, Microsoft SQL Server
**Tools:** Git, Linux Shell, Jupyter Notebook