

# Richard Ulysse

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## EDUCATION

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**Nyack College, School of Business and Leadership, Nyack, NY**

**BS, Information Technology**, May 2021

**Coursework:** Management Information Systems, Webpage Design, Data Movement & Technology, Data Communication and Networks, Data Modeling/Analytics, Database Designs, Data Structures and Algorithms, Cyber Law and Ethics, Operating Systems, Desktop Support and ITL

## Projects

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**International Hangman** | Python, Tkinter, Googletrans, MySQL, Pandas | May 2022 [Link](#)

- Developed a spin on the classic hangman, allowing users to play in any language.
- Stores userid, username, password, and their highest level completed in a Database using MySQL.
- Translation is done with Googletrans API, translating any word for the game to the user selected language.
- GUI is created using Tkinter

**Music Artist Database** | Python, Tkinter, BeautifulSoup, Requests, Pandas | January 2021 [Link](#)

- Created an application using Python to allow users to find, remove, search, and add for specific artists from [MTV's 10,000 Music Artist Dataset](#).
- Utilized Python and BeautifulSoup to scrape data from Billboard Hot 100 Website and Rolling Stone site
- GUI is created using Tkinter, allowing users an easy experience.

**Naruto Space Invaders** | Python, Pygame, Random | January 2021 [Link](#)

- Space invaders game re-created with Naruto characters using Python
- Enemy spawns from random points using random module, constantly targeting main character who has set amount of health.
- Images of characters are taken from file using Python OS module.
- GUI and audio for game created with Pygame and Mixer.

**Turkey Telegram** | Python, Twilio, Tkinter, Pygame Mixer | November 2021 [Link](#)

- Created an application to allow users to send a Thanksgiving text messaging using Twilio's REST API.
- Developed GUI and the ability to send audio messages using Tkinter and Pygame Mixer leading to an easy and enjoyable customer experience.
- Uses Python Random module to choose random messages from a list, so end user does not send the same message.
- UI that allows user to send a Thanksgiving related text message.

**Hymnbook Web Scraper** | Python, BeautifulSoup, Requests, OS | November 2021 [Link](#)

- Created for New Life Assembly of God in Spring Valley
- Application that extracts lyrics from the Haitian Kreyol/French Hymnbook on the [HaitianView](#) website with BeautifulSoup.
- Organizes each song into files and creates readable text files for the songs using the OS operator.

**Translator** | Python, TextBlob, Googletrans, GTTS, Tkinter | January 2022 [Link](#)

- Created UI that allows users to translate any language they'd like with Googletrans, and textblob API.
- Enables user to hear any language (whether original or translated) spoken with Google text to speech API.
- Creates audio file of translated or original text and saves them using Python OS module and GTTS.
- GUI is created with Tkinter.

## SKILLS

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**Languages:** HTML/CSS, Python, JavaScript, SQL, Rust

**Frameworks:** ReactJS, Django, PyScript

**Tools:** Talend, Tableau, Git, MySQL

**Libraries:** BeautifulSoup, Pandas, Pygame, Tkinter, Twilio, Requests, Googletrans, TextBlob,