Thomas Christo

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3rd Year Rutgers University Computer Science Student and Aspiring Data Analyst/Scientist.
*Experience in **analysing** and **organizing large datasets** as well as **automating data collection processes** for higher efficiency and productivity in analysis processes.*
*Experience in working with **SQL** (**SQLite**, **MYSQL**), **Python**, (**Selenium**, **BeautifulSoup**, **Keras**, **SKlearn**, **NumPy**, **Pandas**, **Matplotlib/Seaborn**), **Tableau**, **Git**, **Bash**, **Powershell**, **Linux**, and **Excel**.*

PROFESSIONAL EXPERIENCE

Brookhaven National Laboratory — **Upton, NY**
Research Intern — *June 2022–August 2022*

- Responsible for automating stellar model running process on a **SLURM** cluster and data collection of model outputs using **Bash**, **Sed**, and **Python**.
- In charge of developing tools for organizing hundreds of stellar data outputs, computing calculations used for subsequent paper, as well as creating data visualization figures and tables, with **NumPy**, **Pandas**, **SciPy**, **Matplotlib,** and **Excel**.
- Used **Git** version control software for collaboration and saving of tools on NNDC **Gitlab** server.
- Completed full written report of research process and work accomplishments using **LaTeX** as well as poster presentation using **Microsoft Office**.

EDUCATION

Rutgers University — **New Brunswick, NJ**
Bachelor of Science in Computer Science — *Sept 2022-Dec 2024*

- USACS Member

Union County College — **Cranford, NJ**
Associate of Science in Computer Science/Engineering — *Sept 2020-June 2022*

- Phi Theta Kappa Scholar (GPA: 4.0/4.0)
- UCC Research Scholar

PROJECTS

R.A.M. Trading

- Set of **Python** stock trading bots used to compare the success of different trading strategies with **Alpaca-Py API**.
- **Keras**, **NumPy**, **Pandas**, and **SKlearn** used to implement **LSTM** neural network trading method.
- **Pandas** and **IEX Cloud API** used for gathering and analysing stock data used in algorithmic value trading method.
- **Requests, NLTK,** and **Pandas** used for gathering, cleaning, and analysing data collected from subreddits.
- Accounts' data saved using **MYSQL** and explored using **SQL** scripts from **MYSQL Workbench**.
- **Streamlit** dashboard created to monitor activity and status of each trading account.
- Trading Process was entirely automated using **Powershell** and Windows **Task Scheduler**.

Indeed Scraper

- **Python web-scraping** bot utilizing **BeautifulSoup** and **Selenium** to search Indeed.com and compare different Data job roles by salary ranges, job skills, and requirements in large US cities.
- Utilized **NLTK** and **Regex** clean raw data and **Matplotlib/Seaborn** for data visualizations.
- **SQLite3** was used for storing gathered job data and **SQL** scripts were utilized for data exploration.
- **Tableau** dashboard created for further visualization of data analyst roles based on **SQL** scripts.