

# Lawrence McKnight

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## SUMMARY

Senior year student with a current secret clearance, experience in webscraping, analyzing, forecasting, and visualizing data through Python and Tableau, seeking an entry level position in data science.

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## EXPERIENCE

### Data Analytics Learner New Apprenticeship

June 2022 - August 2022, Remote

- Developed technical skills related to Python, SQL, and Tableau
- Analyzed datasets and applied skills to create reports and insights
- Collaborated with a team of analysts on a number of challenges related to data

### Software Engineer in Test Military Fellow NetApp

January 2022 - April 2022, Research Triangle Park, NC

- Executed regression testing on 6G and 12G SAS shelves in preparation for maintenance release
- Collaborated with Developers and SETs to better understand storage shelf products
- Developed a Shelf Log Insights script to speed up analysis of SAS and NVMe shelf log files
- Participated in weekly core team stand-ups

### Armorer United States Marine Corps

April 2018 - April 2022, Camp Lejeune, NC

- Created company and battalion level databases that assisted in the accountability and transfer of sensitive assets using MS Excel
- Read and analyzed calibration reports, maintenance production reports, and incoming service requests
- Prepared and presented reports, briefs, letters, discrepancy statements and other documents to officers in charge

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## PROJECTS

### Robinhood Portfolio Insights

July 2022 - August 2022

- Created a notebook for Robinhood portfolios primarily invested in exchange-traded funds (ETF) to be able to visualize sector distribution and top holdings data
- Used Robin Stocks library to interact with the Robinhood API to retrieve portfolio data and web scraped MarketWatch.com with BeautifulSoup for ETF sector distribution and top holdings data
- Calculated the portfolio data and stored with the Google Sheets API to serve as a live server for a Tableau dashboard

### Hand and Voice Control for Roku

July 2022 - August 2022

- Developed hand and voice control scripts to allow for full control of Roku TVs using OpenCV, Mediapipe and Google Text-To-Speech
- Defined a hand sign system that increased distinguishability of signs to minimize incorrect inputs

### Heart Failure Mortality Prediction

June 2022 - July 2022

- Predicted 92.59% of heart failure mortalities accurately using the K-Nearest Neighbor algorithm and Scikit-Learn library
- Optimized the K value and test/train split by visualizing their range of accuracies

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## EDUCATION

### Bachelor of Science in Computational Mathematics

Liberty University • Lynchburg, VA • 2023 • GPA: 3.64

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## SKILLS

Languages: Python, PL/SQL, HTML/CSS

Libraries: NumPy, Pandas, Matplotlib, BeautifulSoup, Scikit-Learn, OpenCV, gTTS, Mediapipe

Tools: Git, VS Code, PyCharm, Jupyter Notebook, Atom, MS Excel, Tableau