

# Apollo Callero

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## EDUCATION

**Bachelors of Science in Computer Science** , GPA: 3.42

Expected: Dec 2023

Washington State University , Pullman Wa

**Skills:** Python, SQL , C++, C#, Swift , Firebase, Typescript, Pandas, Comptia Security+

## EXPERIENCE

**Computer Science Researcher** — Georgetown University Massive Data Institute

06/05/2023-08/05/2023

- Performed data processing, model creation and evaluation to identify emotions in Tweets 91% accurately using BERT and PyTorch to predict migration patterns
- Identified correlations between the emotion in Tweets, Google trends data and migration patterns in Ukraine to assist the UNHCR with humanitarian aid

**Software Engineering Intern** — Netwrix

01/20/2022 - 02/20/2023

- Created a machine learning model using scikit-learn, DVC and pandas to detect 81% of automated accounts by first engineering features from real-world users
- Incorporated siad model into the product's code base by using Azure for source code management and PostgreSQL to retrieve dynamic user data
- Developed a web-app to enable coworkers to label time series data at a faster rate

**Computer Science Researcher** — Texas State University

06/10/2021 - 08/10/2021

- Made a data analysis tool that allows researchers to manually & semi-automatically annotate, visualize and extract features from time-series datasets
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**Teacher Assistant** — WasGained hands on experience with Tensorflow, Pandas, Numpy, matplotlib, scikit-learn, Git and writing software in a collaborative team environment  
hington State University (intro. Computer programming)

01/15/2020 -Present

- Help groups of 15 students at lab and office hours learn the fundamentals of Python

## PROJECTS

**Ledger Visualizer**— Microsoft Confidential ledger, (Senior design project)

- Developing a feature so users of Azure's confidential ledger can make updates to the ledger thru the Azure website
- Used React to show important metadata about transaction's in the ledger

**PomodoroDO** — Swift, [git repo](#)

- Created a IOS application that allows users to keep track of study sessions, visualizes their study sessions graphically and see their friends study sessions
- Application uses Firebase database to store and retrieve user data; utilizes various Pods/API's to make the user interface aesthetically pleasing