Andrew Porter

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EDUCATION

UNIVERSITY OF NEW HAMPSHIRE | Computer Science   Durham, NH | August 2016 - Present

WORK EXPERIENCE

UNIVERSITY OF NEW HAMPSHIRE | Undergraduate Research Assistant   Durham, NH | Jan 2019 – Present

- Worked on interdisciplinary research projects that combine Computer Science and Cognitive Psychology to model and examine how people think/learn.
- Utilized Natural Language Processing (NLP) tools like Sumy, TextBlob and NLTK in Python
- Used scikit-learn to perform statistical analysis

EFI | Software Developer Intern   Manchester, NH | May 2018 – Jan 2019

- Interpolated YAML and XML messages using C++ and Python to support localization
- Developed MySQL interfaces to properly update UI preferences
- Used python and matplotlib to help shorten log dumps
- Utilized googletest framework to ensure proper translations

ALLEGRO MICROSYSTEMS | Software Developer Intern   Manchester, NH | May 2017 – Jan 2018

- Created an interface using python to help model electronic systems
- Generated Verilog code with Python and Jinja2
- Developed a local repository management tool using python and shell scripts

UNIVERSITY OF NEW HAMPSHIRE | Undergradute Teaching Assistant Durham, NH | Aug 2017 – Jan 2019

- Assisted students in labs and taught recitations
- Answered students questions about homework and programming assignments via email

UNH INTEROPERABILITY LAB | Software Developer   Durham, NH | Oct 2017 – May 2018

- Used PHP, jQuery, JavaScript and SQL to maintain an internal inventory database
- Wrote browser tests using Laravel Dusk framework

SKILLS

Programming Languages	Python, C++, Golang, Java, C, JavaScript, HTML, CSS, R, Matlab
Frameworks	Django, Flask, Jinja2, Numpy, Pandas, TextBlob, SQLAlchemy, BOTO3
Databases	MySQL, SQLite, Redis
Version Control	Git, SVN
Topics	Machine Learning, NLP, Sentiment Analysis

PROJECTS

STOCK-SENTIMENT | Python, TextBlob, Flask, Tweepy, Pytest   https://www.stocksent.io
Web API for querying stock sentiment on recent news articles from IEX Group, Twitter and Stocktwits. Textblob was used to build Naive Bayes classifier on pre-scraped data.

YAHOO-HISTORICAL | Python, Pandas   https://github.com/AndrewRPorter/yahoo-historical
Easily downloads and provides access to Yahoo Finance's historical ticker data

STOCKI | Python, argparse   https://github.com/AndrewRPorter/stocki
CLI Interface for fetching and viewing stock market data