

Andrew Porter

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EDUCATION

UNIVERSITY OF NEW HAMPSHIRE | B.S. COMPUTER SCIENCE

Durham, NH | Aug 2016 - Present

WORK EXPERIENCE

BOTTOMLINE TECHNOLOGIES | SOFTWARE ENGINEER INTERN Portsmouth, NH | Jun 2019 – Aug 2019

- Utilized Mockito framework to develop unit tests for back-end utilities
- Developed interactive RESTful API documentation with Swagger
- Investigated and resolved several CSRF vulnerabilities

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 and TextBlob

EFI | SOFTWARE ENGINEER INTERN Manchester, NH | May 2018 – Jan 2019

- Interpolated YAML and XML messages with C++ to support localization
- Used python to analyze and reduce log dumps

ALLEGRO MICROSYSTEMS LLC | SOFTWARE ENGINEER INTERN Manchester, NH | May 2017 – Jan 2018

- Created a GUI in Python with PyQt4 which was used to generate Verilog code using Jinja2
- Developed a project management tool which was used to keep several local git repositories up to date with its remote

SKILLS

PROGRAMMING LANGUAGES	Python, Java, C++, Go, Javascript
FRAMEWORKS	Flask, Jinja, Numpy, Pandas, Tensorflow, Sklearn
TOPICS	Machine Learning, NLP, Data Science, Finance
VERSION CONTROL	GIT, SVN

PROJECTS

STOCK-SENTIMENT | PYTHON, TEXTBLOB, FLASK, FIREBASE, PYTEST <https://www.stocksent.io>

Web API for querying stock sentiment on recent news articles, tweets and blog feeds. Deployed on a DigitalOcean droplet with Gunicorn and Flask

YAHOO-HISTORICAL | PYTHON, PANDAS, REQUESTS <https://github.com/AndrewRPorter/yahoo-historical>

Downloads and provides access to Yahoo Finance's historical ticker data

RAKE | PYTHON, NLP, JSON <https://github.com/AndrewRPorter/RAKE>

Fork of a popular keyword extraction tool which uses custom StopList and a large term frequency corpus. This fork also includes an abbreviation detection algorithm

MY-ANALYTICS | PYTHON, SQLITE, PANDAS, MATPLOTLIB, NUMPY, YAML

<https://github.com/AndrewRPorter/my-analytics>

Analyzes FireFox browsing history with modern python3 features and libraries

PING-APP | PYTHON, TWILIO, FIREBASE, FLASK, GUNICORN <https://github.com/AndrewRPorter/ping-app>

Sent SMS questions to survey participants for a research project, deployed on a DigitalOcean droplet with Flask and Gunicorn