Andrew Porter

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Driven Software Engineer who enjoys creating elegant solutions to modern day problems. Skilled in Python and PHP with experience in various NLP/ML topics. Looking for opportunities in the Boston area but will relocate if needed.

SKILLS

- Python
- PHP
- React
- Flask

- Pandas
- Docker
- AWS
- MongoDB

WORK EXPERIENCE

Bottomline Technologies - *Software Engineer Intern*   May 2019 - Aug. 2019

- Utilized Mockito framework to develop unit tests for back-end utilities, eliminating all backlog testing issues
- Developed interactive RESTful documentation with Swagger
- Resolved several CSRF vulnerabilities, eliminating all security tickets in Jira

University of New Hampshire - *Undergraduate Research Assistant*   Jan. 2019 - Present

- Developed an application to probe participants randomly while recording their responses throughout a week long study, resulting in two academic papers
- Various NLP tasks such as topic modelling, sentiment analysis and keyword extraction

EFI - *Software Engineer Intern*   May 2018 - Jan. 2019

- Used python to analyze and reduce log dumps, reducing the size by gigabytes
- Migrated old Python 2 code to Python 3

Projects

mail-feed

- Flask web application that sends morning news to user inboxes based on personal preferences
- Used Docker and docker-compose to deploy decoupled front-end and back-end
- AWS Cognito was used for user authentication and MongoDB for database

stock-sentiment - *https://github.com/AndrewRPorter/stock-sentiment*

- Python web application that performed sentiment analysis on stock news sources
- API endpoint to query a specific stocks news and sentiment
- Naive Bayes classifier was used to predict if an article was 'positive', 'negative' or 'neutral'

ping-app - *https://github.com/AndrewRPorter/ping-app*

- Flask application that used Twilio to text participants of research studies various questions
- All data was stored in a Google FireBase instance

EDUCATION

University of New Hampshire - B.S. Computer Science   Aug 2016 - May 2020