Andrew Porter

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Driven Software Engineer who enjoys creating elegant solutions to modern day problems. Skilled in Python and Java with experience developing web applications and micro-services. Looking for opportunities in the Boston area but will relocate if needed.

SKILLS

- Python
- Flask
- Unix
- JavaScript
- Java
- Git
- Pandas
- Docker
- AWS
- SQL/NoSQL
- ML
- NLP

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 - May 2020

- 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

- Interpolated YAML and XML messages with C++ and Python to support localization within printer UI
- Used python to analyze and reduce log dumps, reducing the size of such logs by gigabytes
- Migrated old Python 2 code to Python 3 as Python 2.7 is no longer maintained

Projects

dailytell - *https://dailytell.dev/*

- Flask web application that sends short morning news to user inboxes as well as exposes REST API for news data
- Used docker-compose to deploy flask with nginx on a DigitalOcean droplet
- AWS Cognito was used for user authentication and MongoDB for primary database

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

- Python web application that performed sentiment analysis on stock news sources with a REST API
- 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
- Resulted in two academic papers on mind wandering

EDUCATION

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