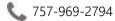
Andrew L. Smith



https://and-rewsmith.github.io





Related Experience

Capital One – Software Engineering Intern (Summer 2018)

- Designed and developed restful, Spring Boot API to handle chargebacks for all fraud and dispute cases
- Created CI/CD pipeline to handle Dev/QA/Prod deployments complete with testing and static code analysis
- New restful API phased out three monolithic SOAP APIs

Cavalier Daily – Web Developer (Spring 2017)

- Full stack role handling article releases for abcdmag.com
- Tools used: git, node.js, html, css, javascript, Heroku, AWS

PRA Group – Data Science Intern (Summer 2017)

- Developed tools to score debtor accounts based on probability/quantity of expected payment
- Heavy use of python and related machine learning libraries (sklearn, tensorflow, keras, pytorch)
- Scoring models generated improved prioritization of debtors, accounting for ~10 million USD of added value
- Delivered result-driven presentations to high level executives on results (CTO, CIO, Internal Audit)

xTuple - Software Development Intern (Summer 2016)

- Developed solution for first-pass internationalization of entire marketed application using Google Translate API
- Created process for updating clients with additional, language-specific versions of the marketed ERP application
- Process deployed via CI/CD pipeline

Education & Skills

University of Virginia (2015-2019)

• B.S. in Computer Science

• 3.7 in-major GPA

Tools: git, SQL, AWS, docker, CI/CD

Languages: python, java, swift, javascript, html, css, C++ Frameworks: Spring Boot, flask, node.js, react, angular

Projects (github/and-rewsmith)

Funding the Future (FTF) Itinerary Generator – (python, Qt, geolocation)

• GUI application that helps FTF (nonprofit) plan travel routes for their organization

Ethereum Price Predictor – (python, keras, NLP, docker, aws, proxies)

- Online Recurrent Neural Network (RNN) which gathers data from many public API's
- Uses system of rotating proxies for all outbound requests to bypass rate limit restrictions/protect anonymity

Shake Awake - (swift)

• IOS alarm app that allows users to shake their device to turn off alarms

Sentiment Checker – (python, flask, twitter, NLP)

- Restful webservice that checks all historical tweets relating to search query, and returns a sentiment rating
- Top prize winner of Hack for Humanity Hackathon 2018