Andrew L. Smith

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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
- Gave final presentation to high level executives, managers, and associates

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)
- Delivered result-driven presentations to high level executives on results (CTO, CIO, Internal Audit)
- Scoring models generated were highly competitive with current system

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, 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