Andrew L. Smith

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Related Experience

University of Virginia – CS4102 (Algorithms) Tutor (Fall 2018)
- Mentored students in algorithm/data-structure analysis

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 hosted through AWS within a Capital One VPC, phasing out three monolithic SOAP APIs

Cavalier Daily – Full Stack Developer (Spring 2018)
- Full stack role handling article releases for abcdmag.com
- Created responsive, front-end html/css templates for interactive article releases
- 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

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
- Above process deployed to on-prem servers via CI/CD pipeline

Education & Skills

University of Virginia (2015-2019)
- B.S. in Computer Science
- 3.7 in-major GPA

Tools: git, AWS, docker, jenkins
Languages: python, java, swift, javascript, html, css, c++, SQL
Frameworks: spring boot, django flask, express, react, angular

Projects (github/and-rewsmith)

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

Ethereum Price Predictor – (python, keras, NLP, docker, aws, proxies)
- Online Recurrent Neural Network (RNN) which gathers data from many public APIs
- Uses system of rotating proxies for all outbound requests to protect anonymity

Funding the Future (FTF) Itinerary Generator – (python, Qt, geolocation)
- GUI application that helps FTF (nonprofit) plan travel routes for their organization