



# Andrew L. Smith

 <https://and-rewsmith.github.io>

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## Related Experience

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### 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

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### University of Virginia (2015-2019)

- B.S. in Computer Science
- 3.7 in-major GPA

**Tools:** git, SQL, AWS, docker, jenkins

**Languages:** python, java, swift, javascript, html, css, C++

**Frameworks:** Spring Boot, flask, node.js, react, angular

## Projects ([github/and-rewsmith](https://github.com/and-rewsmith))

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### 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