CONNER DIPAOLO

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EXPERIENCE

Veritone Media - *Newport Beach, CA* July 2015 - August 2015
Intern - Venture funded series B startup giving corporations actionable insight into media.

- Developed a production ready, open source sentiment analysis engine using my own machine learning library (using a Naive Bayes model on IMDB data.)
- Initiated a company wide research project on logo recognition within video data.

Soulsoup *Newport Beach, CA* December 2014 - August 2015
Lead Engineer - Non-profit networking people who give with people who need. Funded by Veritone founder.

- Developed a scalable, tested REST API in Golang which interacted a PostgreSQL database.
- Implemented and helped design a cross platform mobile frontend within Ionic Framework using AngularJS, HTML, and CSS.
- Ran Dev-Ops to set up servers and distribute traffic to the REST API across multiple nodes.

OPEN SOURCE

GOML github.com/cdipaolo/goml
Creator

- Developed the only machine learning library to use data channels (as an option over batch learning) to train models in an 'Online' and parallelizable way.
- Wrote the second most starred Golang machine learning libary on GitHub (400 stars).
- Implemented 11 diverse machine learning models in a well documented, heavily tested, and intuitive API.

Sentiment github.com/cdipaolo/sentiment
Creator

- Trained a Naive Bayes model, using GOML, on IMDB reviews to create a portable, batteries included sentiment analysis engine under an MIT license.
- Modularized the platform to be easily extendable to adding new languages in the future.
- Documented and tested the model against real world expectations to satisfy requirements for production use.

Sentiment Server github.com/cdipaolo/sentiment-server
Creator

- Abstracted company specific details to a config file to leave the service open source while adding modularity.
- Optimized performance to analyze multiple paragraphs of text in around 200ms under relatively heavy load (over 100,000 requests a minute.)

EDUCATION

Harvey Mudd College *Expected Graduation 2019*
Joint Computer Science & Math

TECHNICAL SKILLS

Programming Languages	Go, Javascript, SQL, Python.
Web Backend Technologies	PostgreSQL, Martini, Golang Net/HTTP Libraries, Linode, AWS S3.
Web Frontend Technologies	AngularJS, Ionic Framework, HTML/CSS.
Software	Git, Bash, Vim, Gulp.