CONNER DIPAOLO

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EXPERIENCE

Yelp – *San Francisco, CA* May 2016 - August 2016
Intern – Spam Team

- Primary contributor to a widely used database replication service marshalling Kafka messages into MySQL statements.
- Re-trained a stale language model for spam detection. Improved real world performance significantly and streamlined re-training flow for future use.
- Integral in design and implementation of a model development framework used across the spam team. Implemented first model (currently in production) using this framework.

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.)

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 interacting with a PostgreSQL database, and a cross platform mobile frontend.
- 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 (600 stars).
- Implemented 11 diverse machine learning models in a well documented, heavily tested, and intuitive API.

EDUCATION

Harvey Mudd College *Expected Graduation 2019*
Mathematics – *3.85 in-major GPA* *3.75 GPA*

Math 189r math189r.github.io
Teaching Assistant – Mathematics of Big Data

- Designed syllabus, created course materials, and wrote midterm with guidance from Professor Weiqing Gu.
- Lectured supplementary material and review sessions on Thursdays.
- Held office hours and graded student work, projects, and exams.

TECHNICAL SKILLS

Programming Languages	Python, SQL, Go, Javascript.
Numerical Softwate	Numpy, Scipy, Pandas, Matplotlib, Matlab.
Web Backend Technologies	PostgreSQL, Martini, Golang Net/HTTP Libraries, Linode, AWS S3.