CONNER DIPAOLO

github.com/cdipaolo
cdipaolo@hmc.edu – (949) 300 3774

EXPERIENCE

Yelp – *San Francisco, CA* May 2017 - August 2017
Intern – Ad Creative

- Project lead for implementing the first trained model for advertisement photo selection within Yelp. Allocated engineering work and contributed heavily to model training and deployment infrastructure.
- Crafted the transition from an initial linear click-through rate prediction model to a deep neural network (augmented ResNet) implemented in PyTorch.
- Designed, organized engineers, and heavily contributed to an internal web app for automated Bayesian analysis of Yelp A/B tests with potential to be used across all of Ads.

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.
- Re-trained a stale language model for spam detection. Improved real world performance significantly and streamlined re-training for future use. A year later it's the best performing spam model in that ecosystem.
- 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 – Public company 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 API in Go interacting with a PostgreSQL database and a mobile frontend.

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 (> 740 stars).
- Implemented 11 diverse machine learning models in a well documented, heavily tested, and intuitive API.

EDUCATION

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

Mathematics of Big Data – *Teaching Assistant* math189r.github.io

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