Richard Boeri Decal

Artificial Intelligence Engineer

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crypdick · 🔗 richarddecal · crypdick · 🏠 homepage · *updated 2017-03-31*

Skills   * **denotes proficiency**

Algorithms	Regression · Clustering · Gradient descent* · Cross-validation · PCA · Neural networks · Neural style transfer*
Languages	Python* · some C++
Coding	Machine learning · Pandas* · Numpy* · Scikit-learn · Matplotlib · Git* · Unix CLI
Research	Experienced in computational neuroscience, biochemistry, genetics research. I am co-author on several peer-reviewed scientific publications.
Misc.	Español* · English* · Italian · Technical writing
Passions	Travel, teaching, learning, social justice, climate change, tiny living.

Projects

Roboskeeter
- Researching how mosquitos track heat in turbulent environments while seeking blood.
- Created mathematical models of decision-making using windtunnel experimental data.
- This research is on-going. I am collaborating on a manuscript for peer-review.

Experience

Research Assistant   Seatle, WA
Fairhall Lab, Dept. of Biophysics, Uni. of Washington   2014 → 2016

- Responsible for simulating experiments (processing data, coding, debugging, analysis) using Python computing and visualization packages.
- Learned concepts in neuronal dynamics which are relevant to artificial deep neural networks.

Education

Artificial Intelligence Engineer Nanodegree, *Udacity & Kaggle*   Udacity.com
B.A., Chemistry/Biology (Honors), *New College of Florida*   Sarasota, FL