

Richard Boeri Decal

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🐱 [crypdick](#) · **in** [richarddecal](#) · 📄 [crypdick](#) · 🏠 [homepage](#) · updated 2017-10-11

Skills

+ denotes proficiency

Algorithms	Supervised, unsupervised, and reinforcement learning · Cross-validation · PCA
Languages	Python ⁺ · R · SQL
Packages	Tensorflow · Pandas ⁺ · Numpy ⁺ · Scikit-learn · Matplotlib ⁺
Research	Experienced in computational neuroscience, biochemistry, and genetics research. I am co-author on several peer-reviewed publications.
Misc.	Español ⁺ · English ⁺ · Italian · UNIX systems ⁺
Passions	Travel, teaching, learning, social justice, climate change, tiny living.

Projects

Solving CartPole	<ul style="list-style-type: none">• I solved CartPole, a continuous classic control video game, using reinforcement learning and policy gradients.
Predicting Californian Incomes	<ul style="list-style-type: none">• Data analysis of the California census data to predict incomes of individuals based on 14 characteristics using feature engineering, support vector machines, and cross-validation.
Roboskeeter	<ul style="list-style-type: none">• 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	Seattle, WA
<i>Fairhall Lab, Dept. of Biophysics, Uni. of Washington</i>	2014 → 2016
<ul style="list-style-type: none">• Responsible for simulating experiments (data munging, design, coding, visualization, analysis).• Learned concepts in neuronal dynamics which are relevant to artificial deep neural networks.	

Education

M.S. Data Science , <i>New College of Florida. Expected 2019.</i>	Sarasota, FL
Artificial Intelligence Engineer Nanodegree , <i>Udacity & Kaggle</i>	Udacity.com
B.A., Chemistry/Biology (Honors) , <i>New College of Florida</i>	Sarasota, FL