

Richard Boeri Decal

Artificial Intelligence Engineer

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Skills

* denotes proficiency

Algorithms	Regression · Gradient descent* · Cross-validation · Neural style transfer*
Languages	Python*
Coding	Machine learning · Pandas* · Numpy* · Scikit-learn · Matplotlib · Git* · Unix CLI
Research	Experienced in computational neuroscience, biochemistry, genetics, and marine biology 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, my tiny home, ++

Projects

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.
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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 (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 , <i>Udacity & Kaggle</i>	Udacity.com
B.A., Chemistry/Biology (Honors) , <i>New College of Florida</i>	Sarasota, FL