

# Richard Boeri Decal

updated 2017-02-22

## >\_ Skills

Novice .■■ · Intermediate .■■ · Proficient .■■ · Master 🐼

|                    |   |
|--------------------|---|
| <b>Algorithms</b>  | Regression .■■ · gradient descent .■■ · cross-validation .■■ · neural style transfer .■■  |
| <b>Languages</b>   | Python .■■ · Bash .■■ · CSS .■■   |
| <b>Coding</b>      | Machine learning .■■ · Pandas .■■ · Numpy .■■ · Scikit-learn .■■ · Matplotlib .■■ · Git .■■ · Unix CLI .■■ · MySQL .■■  |
| <b>OS</b>          | Linux .■■ · MS Windows .■■ · Mac OS X .■■ · Android 🐼 · iOS .■■   |
| <b>Research</b>    | Former research in the fields of computational neuroscience, biochemistry, genetics, and marine biology. I am co-author on several peer-reviewed scientific publications. |
| <b>Misc.</b>       | Español .■■ · English 🐼 · Italian .■■ · Mandarin .■■ · Technical writing .■■ · Photoshop & Lightroom .■■ · Algorithmic financial trading .■■ · Building computers .■■     |
| <b>Passions</b> ❤️ | Travel, teaching, learning, social justice, climate change, machine learning, ++  |

## 🔗 Projects

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|--------------------|---|
| <b>Roboskeeter</b> | Dynamical agent models of mosquito decision-making. Coded in Python using Numpy, Pandas, Matplotlib, and Scipy. |
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## 👜 Experience

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|--|-----------------------|
| <b>Research Assistant</b>  | Seattle, WA           |
| <i>Fairhall Lab, Dept. of Biophysics, Uni. of Washington</i>   | Oct. 2014 → Jan. 2016 |
| <ul style="list-style-type: none"><li>• Processed data, coded &amp; debugged simulations using Python computing and visualization packages.</li><li>• Learned foundational concepts in neuronal dynamics which are applicable to coding artificial deep neural networks and machine learning algorithms.</li><li>• Preparing manuscript for peer-review with my collaborators.</li></ul> |                       |

## 🎓 Education

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|--|-----------------------------|
| <b>Artificial Intelligence Engineer Nanodegree</b> | <a href="#">Udacity.com</a> |
| <i>Udacity &amp; Kaggle</i>                        |                             |
| <b>B.A., Chemistry/Biology (Honors)</b>            | Sarasota, FL                |
| <i>New College of Florida</i>                      |                             |