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Richard Decal
Artificial Intelligence Engineer

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homepage
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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
- 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