Rebecca Minich

RebeccaMinich.com

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Objective

To use scripting, machine learning and modeling to solve interesting problems in biotech and tech.

Tech Skills

Languages & Data Science Tools
Python(NumPy), Pandas, XML, JSON, SQL(novice), SciKit learn and matplotlib.

Operating Systems
Windows, Mac OS and Linux (Kubuntu).

Applications
MS suite, UCSC Genome Browser, Ensembl, MGI Database, SHIELD, NCBI suite, CLC suite, CodonCode aligner, Serial Cloner, Gimp, Prism, etc.

Publications

Minich, R.R., Li, J., Tempel, B.L (submitted) EGR1 Binds to and Activates the *α-Atp2b2* Promoter, the Main Transcript of the Outer Hair Cells.

Watson C.J., Lies S.M., **Minich, R.R.,** Tempel B.L (2014) Changes in cochlear PMCA2 expression correlate with maturation of auditory sensitivity. JARO 15:543-553. PMID: 24799196.

Experience

2016
2015 **Coulter** Market Analyst & Coach
Vetted technologies and successfully coached teams through gap funding rounds.

2015
2014 **CoMotion** Technology Fellow
Wrote 50+ in depth market, IP and competition summaries for a wide range of life science and IT technologies.

2010
2008 **The National Sanitation Foundation** Research Intern
Developed quantitative assays for product certification.

Education

2016
2016 **Data Science Certificate**
Final project with random forest reduced RMSE by 60%.
General Assembly

2015
2010 **Doctorate of Philosophy**
Pharmacology, biology, genetics and neuroscience.
School of Medicine
University of Washington

2015
2013 **Business Certificate**
Won marketing pitch competition.
Foster School of Business
University of Washington

2010
2006 **Bachelor of Science**
Biochem, Environmental Science & independent research.
College of Literature, Science and the Arts
University of Michigan

Coding Fun

Modeling Maternal Mortality Rates in the U.S.
I used a random forest classifier to model maternal death in the US. My model improved accuracy by 40%.

Kombucha Thermostat Maker Project
I used CircuitPython to program a printed circuit board and temperature sensor to make delicious kombucha.