

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, SciKit learn, Tableau 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 (accepted) 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 **Coulter** Market Analyst & Coach
Vetted technologies and successfully coached teams through gap funding rounds.
- 2015 **CoMotion** Technology Fellow
2014 Wrote 50+ in depth market, IP and competition summaries for a wide range of life science and IT technologies.
- 2010 **The National Sanitation Foundation** Research Intern
2008 Developed quantitative assays for product certification.

Education

- 2016 **Data Science Certificate**
Final project with random forest reduced RMSE by 60%. General Assembly
- 2015 **Doctorate of Philosophy**
2010 Pharmacology, biology, genetics and neuroscience. School of Medicine University of Washington
- 2015 **Business Certificate**
2013 Won marketing pitch competition. Foster School of Business University of Washington
- 2010 **Bachelor of Science**
2006 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.