



REBECCA MINICH, PHD

DATA SCIENTIST

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MY OBJECTIVES

I am a scientist by training and utilize python, pandas, machine learning and SQL to draw impactful insights from data. I'm a jack-of-all-trades interested in working with skilled teams on high impact projects.

TECH SKILLS



PUBLICATIONS

Minich, R.R., Li, J., Tempel, B.L
(2017) EGR1 Binds to and Activates the *alpha-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 correlates with maturation of auditory sensitivity

STRENGTHS



LANGUAGE



EXPERIENCE

Jun 2017 - Present
Data Scientist
NAVIGATING CANCER

RESPONSIBILITIES:
Worked with engineering, sales and product on over 200 data projects and investigations leading to a 20% increase in product reach. Created data tools for sales team.

Jan 2016 - Jan 2017
Postdoctoral Fellow
UW

RESPONSIBILITIES:
project management, experimental design, data capture, data analysis, grant and publication writing.

Jan 2015 - Mar 2016
Market Analyst & Coach
COULTER

RESPONSIBILITIES:
Vetted technologies and successfully coached teams through gap funding rounds.

Dec 2013 - May 2015
Technology Fellow
COMOTION

RESPONSIBILITIES:
Wrote 50+ in depth market, IP and competition summaries for a wide range of life science and IT technologies.

EDUCATION

Oct 2016 - Dec 2016
Data Science Certificate
General Assembly

SKILLS ACQUIRED:
Worked with Python, Pandas and Bash. Tuned numerous ML models. Reduced RMSE by 60% with random forest.

Sep 2010 - Dec 2015
Doctorate of Philosophy
UW

SKILLS ACQUIRED:
Authored funded grants and peer reviewed publications. Wet lab and data analysis in molecular biology and pharmacology.

Sep 2006 - May 2010
Bachelor of Science
University of Michigan

SKILLS ACQUIRED:
Biochem, Environmental Science & independent research. Alpha Phi Omega service fraternity committee chair.

CODING FUN

Modeling Maternal Mortality Rates

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.