



# 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

Pandas	<div><div></div></div>
Python	<div><div></div></div>
SQL	<div><div></div></div>
Tableau	<div><div></div></div>
SciKit Learn	<div><div></div></div>
Plotly	<div><div></div></div>

## 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

Tenacity	<div><div></div></div>
Reliability	<div><div></div></div>
Resourcefulness	<div><div></div></div>
Leadership	<div><div></div></div>

## LANGUAGE

English	<div><div></div></div>
Spanish	<div><div></div></div>

## 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

Sep 2006 - Jun 2009  
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 2009 - Jun 2010  
Doctorate of Philosophy  
UW

### SKILLS ACQUIRED:

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

Sep 2009 - Jun 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.