

# BENJAMIN BEARCE



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## SKILLS

PYTHON (4 YRS)	●●●●●
SQL (4 YRS)	●●●●●
JAVASCRIPT (2 YR)	●●●●●
HTML\CSS (2 YR)	●●●●●
R (3 YRS)	●●●●●

## PLATFORMS

AWS	●●●●●
HEROKU	●●●●●
CMS'S	●●●●●

## CERTIFICATIONS

### Coursera

UNIVERSITY OF MICHIGAN  
Web Design for Everybody (Basics of Web Development and Coding)

### Coursera

JOHN HOPKINS UNIVERSITY  
Data Science

### Pluralsight

BINGHAM AND SMALLSHIRE  
Python Fundamentals

## PROFILE

Data analysis and web applications.

Turning specialized knowledge into tools that enrich the human experience is my passion. I want to make it easier for others to access information while automating complex decisions. My skill set is in data science and I'm looking to bring that skill set to the web. I want to work in an environment that values quality, creativity and integrity.

## MY TIMELINE

MAY 2019 - PRESENT  
PROGRAMMER ANALYST  
THE QTIM LAB AT THE MARTINOS CENTER

I am managing online machine learning competitions hosted by the lab, while also building software to extend research tools to clinical users. In addition, I create public-facing web-tools to exhibit our imaging research. I am the point person for information technology and web development in the lab and manage multi-server GPU clusters and data storage devices. Lastly, I help members of our lab successfully use and maintain organization on these servers.

MARCH 2015 - MAY 2019  
SR. CORE ANALYTICS ENGINEER I  
AIR-WORLDWIDE

JUNE 2015 - MARCH 2019  
CORE ANALYTICS ENGINEER III  
AIR-WORLDWIDE

- Created Rmarkdown reports documenting the testing of our industry loss files. I was able to automate our model testing saving 1/3 of the time, while documenting it with HTML and BOOTSTRAP.

- Created a novel algorithm in SQL to validate our reinsurance product's financial engine. Previously, validation took hours to calculate the same logic.

- Developed python scripts to process model data into statistical reports. This involved melting and pivot table manipulation of data and sped up the creation of these reports by 50-100%.

MAY 2013 - MAY 2015  
SOFTWARE QUALITY ASSURANCE ENGINEER II  
AIR-WORLDWIDE

- Learned R and automated the creation of large scale exposure data for use in regression test cases.

2012 - 2013  
BOSTON UNIVERSITY

Masters of Electrical and Electronics Engineering  
GPA: 3.4

2007 - 2011  
WEST VIRGINIA UNIVERSITY

Bachelors of Science, Electrical Engineering  
GPA: 3.5