

# 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 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