BENJAMIN BEARCE

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SKILLS

- R (3 YRS) ●●●●○
- PYTHON (2 YRS) ●●●○○
- SQL (3 YRS) ●●●○○
- HTML\CSS (1 YR) ●●○○○
- JAVASCRIPT (1 YR) ●○○○○

PLATFORMS

- HEROKU ●●●○○
- WIX ●●●○○
- SQUARESPACE ●●○○○
- WORDPRESS ●●○○○

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

2015 - 2018 (PRESENT)
CORE QUALITY ASSURANCE ENGINEER III
AIR-WORLDWIDE

• Created Rmarkdown reports documenting the testing of our industry loss files. Our research team creates data files detailing catastrophe characteristics in 10,000 year monte carlo simulations. With these reports, I was able to simultaneously automate our model testing saving 1/3 of the time, while documenting it with HTML and BOOTSTRAP. This ultimately increased transparency of our model validation to our clients.

• Created a novel algorithm in SQL to validate our reinsurance product's financial engine. Previously, validation using scripting languages (R\Python) took hours to calculate the same logic as the underlying C++ engine. Utilizing set based logic in SQL instead of loops and cursors, I was able to turn a large analysis taking 30 to 60 minutes, into one that lasts approximately 1 minute.

• 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%. The larger the export, the more time saved. Previously this was done by hand in excel and took hours of work.

2013 - 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. This eliminated the need to create the data in excel by hand.

• Utilized Silk Test automation framework for regression test execution. Owned the creation of new test plans for new features as they were developed, and implemented them in Silk Test.

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