

AMBER AHMED



EDUCATION

2020
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2020

Programming for Data Science with R nanodegree

Online

📍 Udacity

- Studied SQL for data analysis, programming with R , command line essentials and git bash
- R programming project can be accessed here

2015
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2010

B.S.E Chemical Engineering

Arizona State University

📍 Tempe, AZ

- GPA 3.43

2008
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2005

M.B;B.S.

King Edward Medical University

📍 Lahore, Pakistan

- Studied human anatomy, physiology and biochemistry. Passed first professional (part 1&2) in first division.



RESEARCH EXPERIENCE

2011
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2010

Undergraduate Researcher

Gallitano Lab

📍 University of Arizona College of Medicine

- Analyses of genetic data from schizophrenic patients using genomic association software PLINK, PBAT and FBAT.
- Publication



INDUSTRY EXPERIENCE

2018
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2017

Engineer II

Illumina Inc.

📍 San Diego, CA

- Led process inventory, and resource management as well as, planning and scheduling for proto part assembly during the critical design verification test phase for iSeq100 consumable cartridge. Served as a liaison between the product development and NPI teams.
- Constructed html dashboard for continuous reporting of proto process quality metrics (line yield, process yield, failure pareto etc.). Automated control charts for 40 critical parameters reported by 11 process and QC (quality control) tools with JSL and R scripts.
- Completed two week long offsite training for programming liquid handling robotic systems.



📄 [Download a PDF of this CV](#)

CONTACT



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[StatswEng](#)



<https://github.com/AmberHabib>



<https://amberahmed.netlify.app/>



www.linkedin.com/in/amberahmed

LANGUAGE SKILLS

R

C++

I have worked in a diverse set of industries including semiconductor and biotech sector.

SQL

JSL

Matlab

Made with the [R package pagedown](#).

The source code is available on github.com/nstrayer/cv.

Last updated on 2020-09-24.

2017
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2016

Process Engineer

Intel Corporation

📍 Chandler, AZ

- Owned and lead the stability, performance, and improvement functions of highly advanced photolithography equipment which provides operational support to Intel's 10nm and 14nm chip manufacturing processes.
- Recognized for leading an effort to analyze and explain low parametric matching scores as a function of inherent variability in the equipment. Used IP database script and SQL database query for data extraction and JMP for data manipulation and analyses.
- Recognized for automating process control system daily report for module morning pass down saving more than 100 hr./year of indirect labor cost.

2015
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2015

Research and Development Intern

Henkel Consumer goods

📍 Scottsdale, AZ

- Design of experiment (DOE) using mixture design for improving performance of a laundry detergent formulation.

2012
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2012

Process Engineering Intern

ch2m hill

📍 Tempe, AZ

- Worked on a client project that involved detailed design, programming and support during construction for building a semiconductor fabrication plant for a client. .



TEACHING EXPERIENCE

```
## Warning: The `i` argument of ``[.tbl_df`() must lie in [0, rows] if positive, as of tibble 3.0.0.  
## Use `NA` as row index to obtain a row full of `NA` values.  
## This warning is displayed once every 8 hours.  
## Call `lifecycle::last_warnings()` to see where this warning was generated.
```

NA

NA

NA

📍 NA

NA



SELECTED DATA SCIENCE WRITING

2020

Bikeshare data analysis

Nanodegree Project

- used R to create summary and visuals showing popular travel times, trip duration and user stats for the data provided by Udacity

abc



SELECTED PRESS (ABOUT)

NA

NA
NA
NA



NA



SELECTED PRESS (BY)

NA

NA
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NA



SELECTED PUBLICATIONS, POSTERS, AND TALKS

NA

NA
NA
NA



NA