

Aamir Azhar

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I'm a creative person at heart, and I want to channel my creativity to design efficient technological systems as well as provide resources, opportunity, and agency for everyone in a convoluted world.

Work Experience

Capital One, *Data & Machine Learning Engineer*, New York City **Summer 2017-Present**

- Perform and visualize sentiment analysis on support channels and survey data (ELK).
- Visualize risk level of access entitlements with machine learning algorithms (scikit-learn).
- Decommission on-prem infrastructure by migrating data and services to AWS cloud.
- Integrate data pipelining and migration with a REST API service and PySpark scripts.

Google, *Software Engineering Intern*, San Bruno CA **Summer 2016**

- Integrated translation for YouTube comments with an end-to-end Python software flow.
- Implemented guided tooltip help for updates on the YouTube comments client side.

Bay Area Chess, *Webmaster*, San Jose CA **Summer 2015**

- Developed website and facilitate framework migration to using Python Django.

Skills

Languages: Fluent- Python, Java; Intermediate- C++, JavaScript, HTML/CSS; Beginner- Lisp

Technologies: PostgreSQL, Spark, ELK stack, D3, Adobe Premiere Pro, REST API, Unity

Knowledge Areas: Machine Learning, Data Analytics, Cloud, Software Design & Development

Education

Duke University, Durham NC Graduated **May 2018** | **3.7** GPA

Bachelor of Science in Computer Science

Bachelor of Arts in Asian & Middle Eastern Studies Certificate in Documentary Studies

Relevant Coursework: Software Design & Implementation | Data Structures & Algorithms
Discrete Math | Linear Algebra | Design & Analysis of Algorithms | Computer Architecture
Operating Systems | Video Game Development | Probability & Statistical Inference

Middlebury in Jordan (University of Jordan), Amman Jordan **Fall 2016**

Arabic language immersive program | Produced documentary on disability rights in Jordan

San Jose High School, San Jose CA Graduated **May 2014** | **4.0** GPA

Valedictorian | International Baccalaureate Diploma | PLTW Engineering Graduate

Leadership Experience

HackDuke, 1st place team winner (Health & Wellness Track), Durham NC **Fall 2015**

- Coded Android app (Java) for indoor visual disability navigation

Duke University, Head Teaching Assistant (CS 101), Durham NC **January 2015-May 2016**

- Organized and led weekly labs, lecture recaps, and midterm/final review sessions.
- Trained other TAs to teach students effectively in office hours and recitation.

Duke University, Resident Assistant, Durham NC **August 2015-May 2018**

- Cultivated communities of ~30 residents by planning events and fostering relationships.

Bay Area Chess, Tournament Organizer, San Jose CA **January 2005-August 2015**

- Led and directed chess tournaments with attendance ranging from 80 players to 1,000.
- Organized the 2014 tournament schedule which, for the first time, had over 100 events.