

Arshia Mufti

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EXPERIENCE

Stripe

May 2017—present

- Added new features to internal command line Kafka tools · Scala · Apache Kafka
- Currently implementing the migration of an internal aggregation service built on top of Summingbird from HDFS to Amazon S3 · Scala · Twitter Scalding · Twitter Summingbird

Bazaarvoice

September—December 2016

- Contributed significant changes to the migration of the ad management platform from Maven to SBT, and Cassandra to MySQL · Scala · SBT · Jooq
- Shipped a Q3 feature: exported advertisement statistics and DFP creative, order, and line item data to the ad operations platform to allow for detailed ad conversion analysis · Scala · Google DFP
- Dockerized external dependencies for local development and integration tests · Docker · bash

WeMesh

January—April 2016

- Designed and implemented a new user model—added features enabling users to request friendship, follow or block each other. Rewrote user authentication and login using Firebase · Scala · Thrift · Slick
- Added Vimeo as a content source · Clojure · Redis
- Integrated Graylog into several microservices to speed up crash analysis and bug fixes.

Waseel

May—June 2015

- Designed an iOS application to allow users to access real-time, location-based data about hospitals · Swift

Women in Computer Science

September—August 2016

- Publicly represented the committee to external organizations, and developed semesterly budgets.
- Maintained the committee website, led weekly meeting, developed and promoted the volunteer program.

EDUCATION

University of Waterloo · Bachelor of Computer Science · 3.8/4.0 GPA

2014—2019

University College London · upcoming exchange student

September—December 2017

PROJECTS

Baylexa

AWS Lambda, Python

Led a team of four to design the winning healthcare app for MHacks V, an Alexa skill aimed at recognizing symptoms of common health conditions, providing basic first aid advice, and scheduling appointments.

PawnPusher

C++

A fully functional chess engine with human and computer modes, involving a graphical display, a history of moves played, and four levels of computer AI that analyse and rank possible opponent moves.

Mathrix

HTML, CSS, Python, Bootstrap

A website for performing common matrix operations. Added material design styles and matrix functions.

SKILLS AND INTERESTS

Interests: Functional programming, distributed systems, performance improvement, database design

Languages: Scala, Clojure, Java, Swift, C, C++, Python, Scheme

Tools/Frameworks: AWS, Unix systems, Google App Engine, Slick, Thrift/Scrooge, SQL, Kafka, Hadoop

AWARDS

WiCS Grace Hopper Scholarship

2016

WiCS Grace Hopper Scholarship

2015

University of Waterloo President's Scholarship of Distinction

2014

City-wide highest grades (Riyadh) for Grade XII examination — Final Grade: 96.4%

2014