Hamza Azeem

4A Computer Engineering

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WORK EXPERIENCE

Amazon A9 | Software Engineer · Aug. 2016 – Dec. 2016
Python • AWS (Lambda, S3, ElasticSearch)
- Owned and built new near real-time pipeline and its API for the Visual Search platform reducing data ingestion delays from 3 days to 2-5 seconds
- The pipeline provides near real-time addition, correction, and deletion of Amazon items from the Visual Search catalog through barcode search-keys

Ultimate Software | Software Engineer · Jan. 2016 – Apr. 2016
Java • ElasticSearch • Logstash • Kibana • SQL • Android
- Owned an ELK Big Data project for near real-time log management and analytics
  - A single cluster had <1 sec search times on 100k+ live-streaming logs
- Shipped full-stack Web & Android features and managed large-scale databases

Oracle | Software Engineer · May 2015 – Aug. 2015
Java • JavaScript • Chrome API
- Designed, owned, and shipped a new Oracle product within 4 months
  - Prospect-hunting app gained 1200+ active users since product launch
- Increased user experience and improved back-end API for large-scale Java apps

Synacor | Software Engineer · Aug. 2014 – Dec. 2014
JavaScript • Python • Mocha • Chai • Sinon
- Designed and pushed several MVC web-apps to company's Github repo with full-coverage testing using Mocha-Chai-Sinon libraries

PROJECTS

Eloqua Sales Tools for Chrome
JavaScript • Chrome API • Webpack
- Created email + context scraper to profile potential contacts on a company's site
- Modelled with statechart architecture for highly scalable and modular design

myWaterloo
JavaScript • Chrome API
- Created elegant Chrome extension for Waterloo students made at UW EngHack
- Replaces user's new-tab page with cafeteria menu, to-do list, weather, and more

Plan-it!
Android • Java • SQLite
- Role-centric event planner app for ideal use in small groups
- Manually constructed normalized SQLite database

LANGUAGES
- Java
- Python
- JavaScript
- C++
- SQL
- HTML
- CSS

TECHNOLOGIES
- Git
- AWS
- Linux
- MySQL
- Apache Thrift
- ElasticSearch

EDUCATION

University of Waterloo
Candidate for B.A.Sc in Computer Engineering
2013 – 2018 (Expected)

Relevant Courses
- Co-operative and Adaptive Algorithms
- Distributed Systems
- Operating Systems
- Compilers
- Databases
- Computer Networks

INTERESTS
- Travel
- Reading
- Beatboxing
- Spoken Word
- Computer Vision