Jahanzeb Khan

http://jahanzebk.github.io

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4A Computer Science | University of Waterloo

EDUCATION

BSC IN COMPUTER SCIENCE
University of Waterloo
Expected December 2018

LINKS

Github: jahanzebk
LinkedIn: jahanzeb-khan-16594352
Portfolio: jahanzebk.github.io

COURSEWORK

MACHINE LEARNING
by Andrew Ng. | Coursera

NLP
Natural Language Processing
by Michael Collins | Coursera

UNIVERSITY COURSES
CS 486 - Artificial Intelligence
CS 489 - Neural Networks
CS 454 - Distributed Systems
CS 370 - Numerical Computation
STAT 333 - Applied Probability

SKILLS

PROGRAMMING
Languages
- Python
- Javascript
- PHP
- Rails
- C/C++
- Java

Technologies
- AngularJS
- SASS
- PUG
- Firebase
- Flask
- Laravel
- ElasticSearch
- MySQL
- Linux/Unix
- JQuery
- Wordpress

EXPERIENCE

EXIGER | Co-Op Software Developer
May - Aug 2018 | Toronto, ON
- Increased test coverage to 63.8% from 38.1% on a 20K line code base.
- Integrated Webpack 4 and optimized bundles for run-time performance.
- Worked with D3 library force simulations and zoom functionality.

SHOPIFY | Developer Intern
Sept - Dec 2017 | Montreal, QC
- Improved user search experience by adding synonym support with ElasticSearch.
- Set up A/B testing experiment to increase machine learning prediction deployment speed from taking hours to milliseconds.
- Solved a large variety of problems in the core backend in the Ruby on Rails framework.

SYMBILITY INTERSECT | Web Interface Developer
Jan - April 2017 | Toronto, ON
- Implemented user interfaces from graphical prototypes using SASS, PUG, and AngularJS.
- Migrated a project to Firebase for efficient and secure data access.
- Made projects production ready by tackling browser specific UI problems.
- Increased team productivity by automating tasks through a variety of APIs including Dropbox, Google, Slack, and Pivotal.

PROJECTS

CENTRICATE | Lead Developer
Jan 2015 – Dec 2016
- Built a MySQL database and tackled challenges with strong database design principles, while avoiding structural anti-patterns.
- Eased resume design for users by providing custom AngularJS directives.
- Integrated Stripe to allow users to make payments.

RPC SYSTEM | June 2017
- Created a C++ library to register and handle Remote Procedure Calls.

READQUICK | May 2016
- Processed twitter stream in real time with Amazon Simple Queue Service.
- Designed relational database in MySQL for a streaming application.

ARTICLE CLASSIFIER | June 2014
github.com/jahanzebk/cppNaiveBayes
- Trained Naive Bayes variant classifier on over 3000 articles, and achieved over 85% accuracy in labelling articles with categories in C++.
- Automated web scraping with Python to gather articles to train and test the algorithm.