Sakeeb Hossain

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EDUCATION

UNIVERSITY OF TORONTO
Bachelors in Computer Science
Software Engineering Stream
Expected May 2019 | Toronto, ON

SKILLS

PROGRAMMING
Proficient
Python • JavaScript • Java
Bash • HTML • CSS
Experience
PHP • MySQL • C • C++
Frameworks & Technologies:
Laravel • BootStrap • Android • Git
OpenCV • Node.js • Express

INTERESTS

AREAS OF COMP. SCIENCE
Graph Theory
Big Data
Machine Learning
Security & Cryptography
Favorite Algorithm:
Ford-Fulkerson (Max-Flow Min-Cut)

LINKS

github .com/sakeebhossain
linkedin .com/in/sakeebhossain

ACHIEVEMENTS

2018	3rd place at UTSC CodeJam
2017	Won CAPS and Lexaltics API Prizes at McGill Hacks
2017	Top 5 finalist at RU Hacks
2017	2nd Place at Microsoft Coding Challenge at UofT
2016	2nd Place overall at UofT FinanceHacks
2015	Recognized for Best Design for course project (CSCB07)

EMPLOYMENT

IBM | Software Engineering Intern
Hybrid Cloud Team | Jan 2018 – Aug 2018 | Ottawa, ON
  Cognos TM1 Server
- Implemented crash triaging system to detect the cause of a crash by analyzing the similarity of the resulant stack trace to stacktraces of known defects.
- Improved bucketing accuracy by 30% by implementing new matching algorithm.
- Redesigned system to automatically move/delete core dump files based on match score and shares diagnostics and tracking information to a Slack channel.
- Created a web app that provides searchable crash statistics using ELK stack.

CANDIAN IMPERIAL BANK OF COMMERCE | App Developer
Electronic Financial Transactions Team | Jan 2017 – Apr 2017 | Toronto, ON
  ATM Software (Samsung Pay)
- Created a tool in Java automating the downloading and parsing of several log files on an sFTP server. Significantly reduced overhead work for testers.
- Reduced time needed to generate hourly ATM uptime report by over 20% by optimizing SQL queries.
- Performed SOA testing for new services, checking log files to ensure that no irregular responses occurred.

GOVERNMENT OF ONTARIO | Web Developer
Enterprise Applications Branch | May 2016 – Aug 2016 | Toronto, ON
  Media Delivery Service (MDS)
- Created web app in jQuery and PHP that loads a video with setting specified by the user (resolution, caption language, described audio, etc.). Parses XML files to gather sources for specified settings.
- Wrote automated tests using Jasmine JS framework to test websites for compliance to design and accessibility guidelines.

PERSONAL PROJECTS

ACTIVEDIRECTORY-PROMISE | Node.js
- Modified a popular npm library for interacting with Active Directory to use Promises in order to simplify working with asynchronous calls.

LEAPTEXT | Python, Node.js, (Express.js), MongoDB
- Allow users to write text with hand gestures by capturing hand movement with LeapMotion sensor, and then allowing the user to post the message to Facebook or Twitter with a swipe.
- Used Google Cloud Vision API to detect text in user drawings, as well as Facebook and Twitter APIs to publish posts.

FOTOFILTER | Python (OpenCV)
- A program that takes a video input and detects sections which may trigger seizures in people with epilepsy
- Designed and implemented a local peak detection algorithm used to analyze and process the video to reduce the intensity of strobe effects