Ayush Bhagat

3A Software Engineering | a4bhagat@uwaterloo.ca | 647.390.0271

SKILLS

PROGRAMMING

Proficient:
Java • C++

Familar:
Python • Scala • JavaScript

TECHNOLOGIES

Frameworks:
Android • Node.js • jQuery

Databases:
MySQL • MongoDB

Other:
Vim • Git • Perforce

EDUCATION

UNIVERSITY OF WATERLOO

Bachelor in Software Engineering
Expected April 2018
Cum. Average: 89.4%

LINKS

🌐 ayushbhagat.com
 github.com/ayushbhagat
in linkedin.com/in/ayushbhagat

AWARDS

UNIVERSITY

Honours Dean's List All Terms
President's Scholarship of Distinction

SCHOOL

Governor General's Academic Medal
Tech Wave Communication Scholarship
Euclid & CCC Certificate of Distinction
Highest Average *(Computers, Math & Science)*

EXPERIENCE

GOOGLE   *Software Engineering Intern*
Sep 2015 - Dec 2015 | Display Ads

- Developed for a high revenue, backend server-side system that serves **billions** of queries per day.
- Redesigned a critical component in the ad-serving infrastructure to increase speed and performance.
- Implemented my design in **C++11** and wrote unit tests with almost **100%** code coverage.
- Presented my design to the Waterloo Ads Serving Infrastructure team.

GOOGLE   *Software Engineering Intern*
Jan 2015 - Apr 2015 | Shopping Now

- Performed data analytics and visualizations on big data to monitor user activity for Google Shopping.
- Created a **MapReduce** pipeline using **FlumeJava** to calculate aggregated statistics from **billions** of user data entries.
- Wrote and optimized **Dremel** queries that extract statistics from various tables to power dashboards, which are used by several teams within Google Shopping.

TUTORJAM   *Software Developer Co-op*
May 2014 – Aug 2014

- Created the entire application process used by **thousands** of tutors to apply.
- Developed, using **Java EE**, an end to end system allowing admin to edit, remove and publish tutor profiles from SchoolTutoring to the online tutor catalogue on WordPress.
- Added features on YuJa such as enabling users to upload audio files to learning channel and sending periodic digest emails.

PROJECTS

SKIP THE WAIT

A web tool that allows patients to queue in before physically going to a walk-in clinic.

TRANSIT CHECK

A community driven solution that informs users of the situational delays in TTC.

WHITEBOARD

A web platform for developers to search and connect with other developers.

BUBBLESCAPE

An android game that involves helping a duck in a bubble escape from underwater.