

VARUN GUPTA

3A SOFTWARE ENGINEERING

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+ SKILLS

LANGUAGES

Python
Swift (iOS)
Java (Android)
C/C++
Bash
Scala
VB.NET
Objective-C
HTML/CSS
PHP
SQL

TOOLS

PyCharm
XCode
Android Studio
Eclipse
GitHub / Bitbucket
JIRA
Visual Studio

+ EDUCATION

University of Waterloo

Candidate for Bachelor of
Software Engineering
2020
Cumulative GPA: 3.88
(89.7%).

+ AWARDS

Dean's Honour List

University of Waterloo
Dec 2016

Dean's Honour

List recipient for the 1A,
1B, and 2A terms.

Governor General's Bronze Medal

Governor General of Canada
Oct 2015

Top grade 12 average
(97.7%) in high school.

Honour Roll in Canadian Computing Contest

University of Waterloo
Feb 2015

Strong performance in
programming challenges.

+ EXPERIENCE

Intel Corp. - *Software Engineer - PEY/Intern*
Toronto, Ontario

Sep 2017 - Dec 2017

- Added features and improved High-Performance Computing (HPC) farm support for Intel Quartus Design Space Explorer (DSE II).
- Proposed and implemented a project to improve functionality of DSE II with cloud providers, reducing DSE II setup time by up to 10x and significantly improving user experience.
- Automated packaging of test framework for validating Quartus images on Nimble and Azure, reducing package creation time from 15 minutes to 2 minutes.

Python, Bash, some Perl

Accedo (Digiflare Inc.) - *Jr Software Engineer*
Toronto, Ontario

Jan 2017 - Apr 2017

- Implemented 10-minute premium content preview and live TV page functionality for various Apple TV media apps.
- Utilized dependency injection and software design patterns during development to ensure modularity and testability of code.
- Designed and implemented an app allowing the Apple TV and Apple Watch to communicate over the local network.

Swift, RxSwift (ReactiveX).

Qualicom Innovations Inc. - *Mobile Developer Co-op*
North York, Ontario

May 2016 - Aug 2016

- Optimized server data requests, improving response times for displaying items by 7 - 10 seconds in an iOS sales app.
- Implemented a fashion mode for grouping items and dynamic layouts for different screen sizes in Android shopping apps.
- Automated Linux server setup and migration of a Django web app via bash scripts.
- Created Python scripts for test automation with Sikuli X and Robot Framework.

Swift, Java + XML, Python, some Objective-C.

Shivom Computer and Graphics - *Computer Technician*
Mississauga, Ontario

2010 - 2015

- Five years of experience diagnosing and fixing hardware and software issues such as broken LCD screens and virus infections.

+ PROJECTS

The Flying Stickman

Jun 2015 - Jan 2016

goo.gl/h7KNF7

- A fly-and-shoot arcade game which uses OOP principles to model game entities and behaviours such as enemies, projectiles, and health.
- Utilized the Eclipse debugger to resolve release related issues found through user testing.

Java (Android)

FF Enhancer

Dec 2017 - Current

goo.gl/i8hyKV

- A Chrome extension which allows for advanced filtering of stories by story properties and tags on www.fanfiction.net.

Javascript, HTML, CSS