VARUN GUPTA
3A SOFTWARE ENGINEERING

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✚ SKILLS

LANGUAGES

Python
Swift (iOS)
Java (Android)
C/C++
Bash
Scala
VB.NET
Objective-C
JavaScript
HTML/CSS
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*   Sep 2017 - Dec 2017
Toronto, Ontario
- 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 Nimbix and Azure, reducing package creation time from 15 minutes to 2 minutes.

Python, Bash, some Perl

Accedo (Digiflare Inc.) - *Jr Software Engineer*   Jan 2017 - Apr 2017
Toronto, Ontario
- 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*   May 2016 - Aug 2016
North York, Ontario
- 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*   2010 - 2015
Mississauga, Ontario
- 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 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