

# 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  
Apr 2020 (Expected)  
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 Nimbix 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, 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 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**