VARUN SENGUTTUVAN

4B Software Engineering

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Professional Experience

Software Developer at BLOOMBERG L.P.

Sep – Dec 2015, New York

- Created tools to encrypt messages sent via Instant Bloomberg chat
- Skills: C++, Encryption techniques

Software Development Engineer at AMAZON.COM, INC.

Jan – Apr 2015, Seattle

- Constructed a website to allow for automated testing of mobile apps on test devices
- Enhanced user feedback with the help of data visualizations of test results
- Skills: JavaScript, Java, AngularJS, D3.js, CanvasJS

Software Development Intern at EXPEDIA, INC.

May – Aug 2014, Montreal

- Designed and developed the UI for Expedia Inc.'s internal mapping tool ensuring strong functionality and optimization
- Skills: JavaScript, Java, AngularJS, Thucydides, Jasmine, jQuery, Google maps API, Solr, Agile, Scrum

Automated Test Developer at BLACKBERRY

Sep – Dec 2013, Waterloo

- Developed automated API tests in C/C++ for BB Native Applications using Google Test Framework
- Conducted gap analysis on existing test suites. Reported, tracked and verified bugs in the API
- Skills: Test automation, C, C++, Google Test Framework, Python

Software Developer at BLACKBERRY

Jan – Apr 2013, Waterloo

- Created scripts necessary to automate and improve the build process. Investigated build failures
- Skills: Build automation, Continuous integration, Python

Quality Assurance Analyst at NEXJ SYSTEMS INC.

May – Aug 2012, Toronto

- Performed various types of testing on mobile devices. Reported, tracked and verified bugs
- Skills: Manual testing, Agile, Scrum

Education

Candidate for Bachelor of Software Engineering at UNIVERSITY OF WATERLOO

Sep 2011 – Apr 2016, Waterloo

Languages

C	C++	Java
JavaScript	HTML	SQL
Python	MATLAB	VHDL
CSS3		

Tools

Git	Perforce	SVN
AngularJS	jQuery	D3.js
Backbone.js	Jenkins CI	CanvasJS
Jasmine testing	Google Test Framework	Solr

Relevant Courses

Artificial Intelligence	Advanced Algorithms
Computer Networks	Compiler Construction
Concurrent & Parallel Programming	Computational Intelligence & Fuzzy Logic
Human-Computer Interaction	Database Management
Operating Systems	User Interfaces

Projects

Food truck app – A web app aimed at helping users locate food trucks in a nearby area and see their menus

Elevator algorithm – Created an algorithm that helped enhance the operational efficiency of a set of elevators

MIPS Compiler – Created a compiler for a programming language that is a subset of C