

# Rajat Bansal


Software Developer

Available beginning **September 2018 (4-8 months)**


**Graduation 2020**

RjBansal 

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## WORK EXPERIENCE

### Software Designer

Gemalto

May 2018 – Present

Ottawa, Canada

- Creating Java application to install SHA encrypted certs, keys and user information in smart card to be used in HSM verification

### Software Developer

You.i TV

Jan– Apr 2018

Ottawa, Canada

- Added new You.i Engine optimizations and functions to improve Search page on Roku devices via Cloud
- Refactored code to incorporate new engine functions and reduce complexity on launch improving start up time by 4 seconds
- Changed all overlays/popups and secondary screen to behave as modals reducing amount of code previously required by 40%

### Math/Sysc Teaching Assistant

Carleton University

Sept – Dec 2017

Ottawa, Canada

- Teaching up to 50 first year engineering students Linear Algebra weekly, marking tests/exams and reporting to Professor Sadeghi
- Supervising 50 second year engineering students in their Fundamentals of Imperative Programming labs weekly as well as marking tests/exams and reporting to Professor Bailey

### Software Tester

You.i TV

May – Sept 2017

Ottawa, Canada

- Discovered defects and UX issues, communicated them in a cross-functional agile team in daily scrums and planning meetings
- Performed daily C++ code reviews to ensure clean, high quality code that did not present potential new bugs
- Tracked and altered incoming web traffic/packets as well as JSON and XML files to app using Charles to add content and test backend

## EDUCATION

### Bachelor of Engineering Co-op, Software

Carleton University

Third Year Undergraduate, CGPA 10.33/12

Dean's Honor List 2015-18

Sept 2015 - Present

- George Fierheller Scholarship 2016-17, 17-18

## SKILLS

Java

C++

JavaScript

C

SQL

Python

Agile

Jira

Assembly

HTML/CSS

Charles

Confluence

Git

xCode

Windows

JUnit

Linux

API

### Team Player



### Communication



### Social/People



### Organization



### Curious/Learner



## PROJECTS

- iOS application for viewing film catalogue, details and with playback (C++)
- Simple Blockchain with Proof of Work and HTTPS requests to send/receive money (Python)
- K-Nearest Neighbors machine learning framework in group of 3 (Java)
- Created scripts for real-time face, edge and object detection using OpenCV(Python)
- Basic file operations and memory management system for a simple OS (C)