

# Sahiti Seemakurti

<https://github.com/spike321>  
sseemaku@uwaterloo.ca | 226.606.0181

## EXPERIENCE

### DELOITTE | INNOVATION ENGINEERING INTERN

Jan 2015 – April 2015 | Toronto, ON

- Designed & developed Deloitte Hangouts IM App for company-wide intra-office communication
- Implemented features: speech-to-text (Google Speech API), real-time Share-Point integration & in-chat video playback
- Utilized Visual Studio C# code-base supported with Lync API, FFmpeg encoding (decoding) & Power-Shell scripting
- Pitched this project to several executives and got approval to expand company-wide

### AMAZON | SOFTWARE ENGINEER AT KINDLE MAYDAY

May 2014 – Aug 2014 | Sunnyvale, CA

- Co-designed and implemented the curve-fitting algorithm used in Kindle Mayday
- Created Live Audio & Video quality Indicator, blue-tooth, Headphones, and Speakers functionality & configuration setting
- Fixed urgent bugs reported by QA team including, enable scrolling in landscape mode, update user-satisfaction page, fix text read on narrator mode in 5 languages for icons & images.
- Worked in Eclipse Environment, Android Framework, using Java

### AUDIBLE | SOFTWARE DEVELOPMENT ENGINEERING INTERN

Sep 2013 – Dec 2013 | Newark, NJ

- Member of the Ingestion team, dealt with syncing audio files and ebooks
- Developed client and internal services in Java on Linux Platform
- Worked with high-performance distributed engines using Amazon's AWS technologies, focusing on S3
- Wrote scripts and did queries using MySQL
- Accustomed to Amazon's programming and testing practices including Scrum, Brazil, Git

### ECOLOGIX HEATING TECHNOLOGIES | EMBEDDED ENGINEER

Jan 2013 – April 2013 | Cambridge, ON

- Design Circuit Boards using Cadsoft's Eagle software, Solder and Test PCBs, Integrated Chips for I/O expansion using I2C Communication
- Build an Arduino based controller that interacts with dozens of sensors and controllers to provide real-time climate conditioning
- A part of a core technology team developing OO software for a green energy heating and air conditioning product
- The software is mainly developed in Java, and C for Android tablets, using the Eclipse Platform

### TRANSPORTATION COMPLIANCE SERVICES | C# PROGRAMMER

May 2012 – Aug 2012 | Toronto, ON

- Involved in Agile Development using C# .Net framework and Microsoft Visual Studio 2010
- Developed and test overseas Motor Vehicle credential insurance and fuel tax reporting software
- Identify and troubleshoot causes of operating errors

## EDUCATION

### UNIVERSITY OF WATERLOO

4A COMPUTER ENGINEERING

April 2016 | Waterloo, ON

## SKILLS

### PROGRAMMING

Python • C# • Java • Android • OS  
MySQL • HTML • CSS • Assembly  
General

Linux • Eclipse • Visual Studio • Git  
Unit Testing • Eagle CAD • Adobe  
Soft Skills

Creative • Out Spoken • Energetic

## PROJECTS

CODE Hackathon:// **AIM APP**

MySQL:// **Hospital Database**

Article:// **Curve-Fitting Algorithms**

## COURSEWORK

### ECE

Distributed Computing  
Computer Security  
Computer Networks  
Computer Architecture  
Software Architecture  
Database Systems  
Compilers  
Digital Hardware Systems  
Embedded Microprocessor Systems  
Operating Systems

### OTHER

Field Ecology  
Macroeconomics  
Earth Sciences  
French

## INTERESTS

Acapella:// **My YouTube Channel**

Pencil Sketching

Hip Hop & Jazz Dance

Guitar, Violin, Ukelele & Piano

Travel

Movies