

# Kavin Aravind

Motivated Computer Science undergraduate with a strong passion for developing software seeking to apply my skills for a co-op or full-time position.

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## EDUCATION

Virginia Tech, Blacksburg, Virginia

August 2013 - Present

- Bachelor of Science in Computer Science (Expected Graduation: May 2017)
- Minor: Math
- Overall GPA: 3.42/4.0

## RELEVANT COURSEWORK

- Computer Systems (C/Assembly)
- GUI Programming/Graphics
- Human-Computer Interaction
- Software Design & Data Structures (Java)
- Computer Organization
- Software Design
- Data Structures and Algorithms
- Theory of Computation
- Applied Combinatorics

## EXPERIENCE

Research: Microsoft Surface Hub

August 2015 - Present

- Implement gestures and interactions for the Microsoft Perspective Pixel Large Multi-Touch Display System to research cooperative activities through applications.
- Techniques to be designed include investigation of existing multi-touch systems; design and implementation of visual display techniques and notifications to communicate changes; development of testing techniques for multi-user, multi-touch systems
- Coding in C# using Universal Windows Platform (UWP) - Visual Studio IDE

Coursera: Functional Programming Principles in Scala

Summer 2016

- Fuse functional and object-oriented programming by touching upon proofs of invariants and the tracing of execution symbolically.

EdX: Introduction to Linux

Summer 2015

- Good working knowledge of Linux using both the graphical interface and command line, covering the major Linux distribution families

Student Transition Engineering Program (STEP)

Summer 2013

- To provide incoming engineering students opportunities for personal and professional development through Chemistry, Chemistry Lab, Calculus Fundamentals, and Engineering Education

Carnegie Mellon AP/EA Pre-College Program

Summer 2012

- Fundamentals of Programming and Computer Science: A technical introduction to the Python programming language, including its standard libraries and programming paradigms

## AWARDS & ACTIVITIES

HackGT Winner – “Most Complete, Easy to Implement with Existing Technologies Solution”

September 23<sup>rd</sup> – 25<sup>th</sup> 2016

- Project Wilson: A chatbot that can help accomplish daily tasks around the Virginia Tech community
- Built on top of Microsoft Bot Framework: Used LUIS for building self-learning language understanding models

Boy Scouts of America

- Eagle Scout: Restructured a degraded nature trail for 250 daily visitors in the community
- Order of the Arrow – Boy Scouts National Honor Society

Virginia Tech: Vietnamese Student Association

August 2013 – Present

- Historian Officer Position (2014): Capture, archive, and preserve the history of VSA at Virginia Tech

Virginia Tech: Mobile Application Development Club (MAD)

August 2015 - Present

- Android Development: Current Project -> Hokie Dining App (Campus Dining + Nutrition)

Virginia Tech: Programming Team

August 2016 - Present

- Accomplish an archive of programming problems in a timed setting

## LANGUAGES AND TECHNOLOGIES

**Languages:** Java, C#, C, Python, JavaScript, Scala, SQL

**Web:** Node.js, HTML, CSS, jQuery, PHP

**Software Tools:** Linux, Git, Eclipse, Visual Studios, Amazon AWS, Sublime Text, OpenStack

GITHUB

WEBSITE

LINKEDIN

[github.com/kavinaravind](https://github.com/kavinaravind)

[kavinaravind.com](http://kavinaravind.com)

[linkedin.com/in/kavinaravind](https://linkedin.com/in/kavinaravind)