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:** 3.32/4.0

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*

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 23rd – 25th 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

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   linkedin.com/in/kavinaravind