

# Justin Soon

B.S. Comp Sci, JMU  
Github id: justinsoon

Email: justin.soon@verizon.net  
Website: justinsoon.github.io

## Programming Projects and Open Source Contributions

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- **Connect Four** *under Prof. Christopher Mayfield, November 2017*
  - Creating the game of connect four in python.
  - Using the tkinter toolkit allow for interactive placement of pieces with a click of a mouse.
  - Contributed new features, tests to the framework and fixed bugs. Increased code coverage.
- **Virtual Tour** *under Mr. Bruce Buskey, May 2017*
  - **Lead Coordinator**, led a team of 4 students.
  - Simulation of visting John Champe High School.
  - Composed with multimedia elments with sound effects, music, narration, and text.
  - Consisten of over 100 panoramas that included an aerial view of campus.
  - Preview limited at justinsoon.github.io/jchsvirtualtour for security reason.
- **Buskey Bird** *under Mr. Bruce Buskey, May 2017*
  - **Software Team Head**, led a team of 3 students.
  - Recreated the game of doodle jump using open source images allocated by our teacher.
  - Built using HTML, CSS5, JavaScript, and a open source package called MelonJS.
  - Full playable game at justinsoon.github.io/buskeybird
- **Buskey Jump** *under Mr. Bruce Buskey, May 2016*
  - **Software Team Head**, led a team of 3 students.
  - Recreated the game of doodle jump using open source images allocated by our teacher.
  - Built using HTML, CSS, JavaScript.
  - Full playable game at justinsoon.github.io/buskeyjump
- **Notable Open Source contributions**
  - Designed 2 customizable website & blog templates for Jekyll. Released under MIT license.
  - html-textview, added support for external image downloading libraries.
  - Added option to reload saved page if offline data is cleared.

## Technical Skills

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Languages	Java, C/C++, Python, GIT, JavaScript, HTML5, CSS
Frameworks/Tools	Photoshop, Adobe Priemer, Google Analytics/Suite, FTP, MySQL, Windows, Linux, WordPress, OpenCV, Bootstrap, Jekyll, Jenkins
Undergraduate Coursework	Operating Systems, Databases, Algorithms, Programming Languages; Computer Architecture, Calculcus

## Positions of Responsibility

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- **Civil Air Patrol Flight Sergeant** *January - June, 2017*
  - Motivate and train cadets assigned in the flight.
  - Provided them skills that will be used for the rest of their involvement in a military setting.
- **Cyber Patriot Lead Windows Team** *October - April, 2017*
  - Helped lead five students learn the disipline of the infrastructure for the various aspects of the Windows operating system.
- **Mentoring Projects** *September 2017*
  - Facilitated 3 students to learn the basic of java programming.

## Honors, Awards, and Membership

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- University of Virginia Air Force ROTC Detachment 890. *2017 - present*
- Founding father of the JMU Acacia Chapter 2018. *2018 - present*
- Student Body In Filipino Americans at Madison at JMU. *2018 - present*
- Student Body in Vietnamese Student Association at JMU. *2018 - present*
- National Honor Society *2016 - present*
- Kiwanis Non-Profit Organization *2014 - 2017*
- Civil Air Patrol *2013 - 2017*
- Marching Band, Concert Band, and Jazz Band. *2012 - 2017*
- Varsity Wrestling *2012-2016*