

Justin Soon

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Programming Projects and Open Source Contributions

- **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. Non-terminal base.
 - Contributed new features, tests to the framework and fixed bugs. Increased code coverage.
- **Virtual Tour** *under Mr. Bruce Buskey, May 2017*
 - **Software Team Head**, lead 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**, lead 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**, lead 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

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

Positions of Responsibility

- **Virtual Tour Lead Coordinator** *May 2017*
 - Facilitated 4 students to learn the programs needed to create the final solution.
 - Guided a team to successfully create and complete the project at hand.
- **Cyber Patriot Lead Windows Team** *2017*
 - Helped lead five students learn the displine of the infrastructure for the various aspects of the Windows operating system.
- **Mentoring Projects**
 - Facilitated 3 students to learn the basic of java programming.

Extracurricular activities

- University of Virginia Air Force ROTC Detachment 890.
- Founding father of the JMU Acacia Chapter.
- Student Body In Filipino Americans at Madison at JMU.
- Student Body in Vietnamese Student Association at JMU.