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| **Brendan Ritter**  3116 N 18 ST Arlington VA  703-517-5937 [bjr224@cornell.edu](mailto:bjr224@cornell.edu)  For a more detailed list of corporate, school and personal projects:  **www.brendanritter.com** | | | | | | | | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | |  | |
| **Education** | CoRNELL TECH at Cornell University | | | | | | | | | | | | | | New York, NY | | | | |
|  | Master of Engineering in Computer Science, May 2016 | | | | | | | | | | | | | | | | |  | |
|  | GPA: 3.66 on a 4.0 scale | | | | | | | | | | | | | |  | | | | |
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|  | Olin COllege of engineering | | | | | | | | | | | | | | Needham, MA | | | | |
|  | Bachelor of Science in Engineering with concentration in computing, June 2015 | | | | | | | | | | | | | | | | |  | |
|  |  | | | | | | | | | | | | | | | | |  | |
| **Skills** | Tools, Languages and PROFICIENCIES | | | | | | | | | | | | | | | | |  | |
|  | | Front and Back end Development | | | | Game Development | | | CAD | | User Oriented Design | | Product Design | | | | | | |
|  | |  | | |  | | | | | | |  |  | | | |  | |  |
|  | *Proficiency and at least 2 years of experience in all of the following:* | | | | | | | | | | | | | | | | |  | |
|  | Python | | Java | C# | | | C/C++ | JavaScript | | Matlab | | Ocaml/SML/lisp | | PHP | | SolidWorks | | | |
|  |  | | | | | | | | | | | | | | | | |  | |
| **Experience** | AthenaHealth | | | | | | | | | | | | | | Watertown, MA | | | | |
| 2015 | *Software Development Intern* | | | | | | | | | | | | | | | | |  | |
|  | Developed framework and tools for **code quality analysis** using Perl and JavaScript. | | | | | | | | | | | | | | | | |  | |
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| 2014 | Microsoft | | | | | | | | | | | | | | Redmond, WA | | | | |
|  | *Software Development Intern with the Skype Calling team* | | | | | | | | | | | | | | | | |  | |
|  | Developed an **experimental web-based Skype client** using JavaScript, C# and Azure cloud service. Was solely responsible for development in group of two. | | | | | | | | | | | | | | | | |  | |
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| 2013 | Barrett Technology | | | | | | | | | | | | | | Cambridge, MA | | | | |
|  | *Software Development Intern* | | | | | | | | | | | | | | | | |  | |
|  | Developed API and user interface for controlling Barrett Hand 282 (robot hand) called pyHand | | | | | | | | | | | | | | | | |  | |
|  | * **pyHand is currently shipped with every hand sold as well as used internally** * Utilized python, the Tkinter library and Controller Area Network protocol * **Co-lead group of four** * Developed both internal and **client facing software**. | | | | | | | | | | | | | | | | |  | |
|  |  | | | | | | | | | | | | | | | | |  | |
| 2012 | Mitre Corporation | | | | | | | | | | | | | | | | | McLean, VA | |
|  | *Software Development Intern with Center for Advanced Aviation System Development* | | | | | | | | | | | | | | | | |  | |
|  | Developed several small tools for extracting summary statistics from voluminous raw flight data. Utilized Matlab, R and Java. | | | | | | | | | | | | | | | | |  | |
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| **Awards** | professional Publications | | | | | | | | | | | | | | | | |  | |
| 2012 | *7th European Conference for Technology Enhanced Learning (ECTEL)* | | | | | | | | | | | | | | | | | Saarbruken, Germany | |
|  | Co-Authored “A Collaboration Based Community to Track Idea Diffusion amongst Novice Programmers” | | | | | | | | | | | | | | | | |  | |
|  | * **Wrote poster paper and gave presentation** at event * Worked with group of four to develop underlying computer program | | | | | | | | | | | | | | | | |  | |
|  |  | | | | | | | | | | | | | | | | |  | |
| 2015 | ***Patent Pending: application number 14/703607 -*** Seeks to increase usability of mobile devices. | | | | | | | | | | | | | | | | | | |
|  | Solely **conceptualized, wrote and submitted patent** | | | | | | | | | | | | | | | | |  | |