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| **Brendan Ritter**  381 Highland Ave. Apt2, Somerville Ma  703-517-5937 brendanritter[@raytheon.](mailto:bjr224@cornell.edu)com  For a more detailed list of corporate, school and personal projects:  **www.brendanritter.com** | | | | | | | | | | | | | | | | | |
| **Education** | CoRNELL TECH at Cornell University | | | | | | | | | | | | | | New York, NY | | |
| May 2016 | Master of Engineering in Computer Science | | | | | | | | | | | GPA: 3.66/4.0 | | |  | | |
|  |  | | | | | | | | | | | | | |  | | |
|  | Olin COllege of engineering | | | | | | | | | | | | | | Needham, MA | | |
| June 2015 | Bachelor of Science in Engineering (concentration in computing) | | | | | | | | | | | GPA: 3.62/4.0 | | |  | | |
|  |  | | | | | | | | | | | | | |  | | |
| **Skills** | Tools, Languages and PROFICIENCIES | | | | | | | | | | | | | |  | | |
|  | | Front and Backend Development, Game Development, CAD, User Oriented Design, Product Design | | | | | | | | | | | | | | | |
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|  | *Proficiency and at least 2 years of experience in all of the following:* | | | | | | | | | | | | | |  | | |
|  | Java | | Python | C# | | C/C++ | | JavaScript | Matlab | Ocaml/SML/lisp | | | PHP | SolidWorks | | | |
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| **Experience** | *Raytheon BBN* | | | | | | *Staff Scientist* | | | | | | | | Cambridge, MA | | |
| 2017- present | * Aerial Refueling Model – Contributed to development and design, especially disruptive event mitigation and time changing factors. * Advanced Receiver Demand Estimator – Heavy contribution to design and development of core algorithm, time changing factors. * **Java, Eclipse, Java Profiling, advanced search and waypathing algorithms** | | | | | | | | | | | | | |  | | |
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|  | AthenaHealth | | | | | | *Software Development Intern* | | | | | | | | Watertown, MA | | |
| 2015 | Developed tools for **code quality analysis** using Perl and JavaScript. | | | | | | | | | | | | | |  | | |
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|  | Microsoft | | | | | | *Software Development Intern (Skype Calling)* | | | | | | | | Redmond, WA | | |
| 2014 | Developed an **experimental web-based Skype client** using JavaScript, C# and Azure cloud service. Was solely responsible for development. | | | | | | | | | | | | | |  | | |
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|  | Barrett Technology | | | | | | *Software Development Intern* | | | | | | | | Cambridge, MA | | |
| 2013 | Developed pyHand API and UI for controlling Barrett Hand 282 (robot hand) | | | | | | | | | | | | | |  | | |
|  | * **pyHand is currently shipped with every hand sold and used internally** * **Co-lead group of four;** developed both internal and **client facing software**. | | | | | | | | | | | | | |  | | |
|  |  | | | | | | | | | | | | | |  | | |
|  | Mitre Corporation | | | | | | *Software Development Intern* | | | | | | | | McLean, VA | | |
| 2012 | Worked at Center for Advanced Aviation System Development (CAASD) Developed several tools for extracting summary statistics from raw flight data. | | | | | | | | | | | | | |  | | |
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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 | | | | | | | | | | | | | |  | | |
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| 2015 | ***Patent Pending: application number 14/703607 -*** Seeks to increase usability of mobile devices. | | | | | | | | | | | | | |  | | |
|  | Solely **conceptualized, wrote and submitted patent** | | | | | | | | | | | | | |  | | |