

BRENDAN RITTER

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Education	CORNELL TECH AT CORNELL UNIVERSITY	New York, NY
2016	Master of Engineering in Computer Science - GPA: 3.46/4.0 <i>Data Science, Machine Learning, Computer vision, Product design, Tech strategy</i>	
	OLIN COLLEGE OF ENGINEERING	Needham, MA
2015	Bachelor of Science in Engineering with concentration in Computing - GPA: 3.56/4.0 <i>Modeling and Simulation, Artificial Intelligence, User Design, Micro and Macro economics (Wellesley)</i>	
Skills	TOOLS, LANGUAGES AND PROFICIENCIES Front and Backend Development, Computational Modeling, User Oriented Design, Product Design Very strong proficiency in: Java, Python, Javascript & React, C# Previous Experience in: C/C++, Matlab, Ocaml/SML/lisp, R, SolidWorks	
Experience	RAYTHEON / BBN Technologies	Cambridge, MA
	<i>Scientist I</i> Developed user-centered logistics programs for USTRANSCOM and OSD CAPE (pentagon), both personally and in a team of up to ten. Collaborated with Git. Conducted the following work:	
2016-2021	<i>-Search, Scheduling and Optimization Problems</i> <i>-Hiring (Technical and nontechnical)</i> <i>-Technical Assistance (Remote and on site)</i> <i>-In person User Research/User Interviews</i> <i>-Security Clearance</i>	<i>-Development of Logistics Engines (Java)</i> <i>-Gui and Map Design (React and Java)</i> <i>-Business Development and Proposal Writing</i> <i>-Profiling, Test and Software Optimization</i> <i>-Team EXIM & ITAR point person</i>
	Ask me about specific projects! I personally made several from the ground up and transitioned to use.	
2015	ATHENAHEALTH	Watertown, MA
	<i>Software Development Intern</i> Developed framework and tools for code quality analysis using Perl and JavaScript.	
2014	MICROSOFT (Skype Calling team)	Redmond, WA
	<i>Software Development Intern</i> Personally developed an experimental web-based Skype client using JavaScript, C# and Azure cloud service.	
2013	BARRETT TECHNOLOGY	Cambridge, MA
	<i>Software Development Intern</i> Developed API and user interface for controlling Barrett Hand 282 (robot hand) called pyHand. My software was shipped with the 282 product.	
2012	MITRE CORPORATION (CAASD)	McLean, VA
	<i>Software Development Intern</i> Developed several tools for extracting summary statistics from very large amounts of raw flight data. Also created an automatic powerpoint creation tool.	
Publications and Patents		
2017	<i>Proceedings of the 2017 ACM Conference on Designing Interactive Systems</i> Co-Authoring "Effects of color and threshold on user perception of heat maps" - Codesigned experiment and research, developed accompanying software.	
2015	<i>US Patent: Video Wall System & Method of Making and Using Same, US20160328202A1</i> Issued 12/25/2018 Personally conceptualized, wrote, submitted patent for unified simultaneous visual presentation of multi-screen data input.	
2012	<i>7th European Conference for Technology Enhanced Learning (ECTEL)</i> Co-Authoring "A Collaboration Based Community to Track Idea Diffusion amongst Novice Programmers" - Wrote/Presented in group of four, with underlying software program	Saarbrücken, Germany