

CONTACT

Name:	Jonathon T. Ready	e-mail/ jonready@psu.edu
Major	Computer Science	jonready.com
Graduation:	May 2019	cell/ 814-933-9680

Professional Experience and Skills

Aug 2017 – Dec 2017	Volvo Group Trucks – Gothenburg, Sweden Electrical Platform Architecture Intern in Trucks Technology : <i>Designed modular autonomy structure for electronic control units (ECUs) to be used in both manual, assisted, And autonomous steering systems on current and future electric and autonomous trucks</i> <ul style="list-style-type: none">- Developed systems architecture plans- Wrote test requirements for software unit-tests
Jan 2016 – June 2016	BAE Systems Electronics Sector – Nashua New Hampshire Software development Co-Op student for Unmanned Aircraft : <i>Designed and coded a system for classification of signals on embedded softcore processor, and automated API documentation saving money across multiple programs</i> <ul style="list-style-type: none">- Built parser to mimic GNU Compiler using C, Python- Saved the company \$430,000 over software life-cycle
2014 – Current	Founder and Team Captain Unmanned Aerial Systems Team https://uas.engr.psu.edu : <i>Founded and led the team to compete at the AUVSI SUAS competition</i> <ul style="list-style-type: none">- Recruited 35 members and raised \$34,000 from university and industry sponsorships- Created most active robotics club on campus –assessed by number of active membership- Designed image capture program on embedded Linux in C to capture thermal and visual images- Engineered machine vision system to find targets using thermal imagery- Adapted directional wifi antennas with radios to downlink telemetry and imagery
2013 – 2014	Vice-President Korean Tea Ceremony Club : Organized tea culture event on campus with visiting tea scholar – Chi Zhong Xian <ul style="list-style-type: none">-Organized international travel accommodations for visiting Tea Specialist-110 students attended
2013 – 2014	Formula SAE Team Machinist <ul style="list-style-type: none">-Approximately 100 hours machining experience,-Manufactured suspension system components using stainless steel and titanium stock.-Met design specifications.
2014 Dec.	Tutor for calculus and physics

Software Skills:	Languages: C / C++, Python, Java, Ruby, Javascript, Verilog
	Tools: Git, OpenCV
	Frameworks: Django
	Web/Scripting: HTML, CSS, JQUERY
	*Department of defense Secret Security Clearance granted June 2018

Education

2013 – present	Pennsylvania State University Graduation – May 2019
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Languages

Norwegian (fluent), **English** (fluent), **Mandarin Chinese** (Conversational), **Spanish** (basic)