CONTACT

Name:	**Jonathon T. Ready**	**e-mail/ me@jonready.com**
Major:	Computer Science	**jonready.com**
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Professional Experience and Skills

July 2019 – Current   **Microsoft Corporation** – *Redmond, Wa*
Program Manager in Windows and Azure
: *Improved technology supporting updates of Windows operating system, with technical proof of concepts and data studies*
- Adapted legacy C++ code to prove viability of new binary delta method for PE32 executables
- Drove clarity and understanding of update size growth through modelling of file servicing probabilities using python.

Aug 2017 – Dec 2017   **Volvo Group Trucks** – *Gothenburg, Sweden*
Electrical Platform Architecture Intern in Trucks Technology
: *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*
- 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
: *Designed and coded a system for classification of signals on embedded softcore processor, and automated API documentation saving money across multiple programs*
- Built parser to mimic GNU Compiler using C, Python
- Designed script that generated API documentation from source code

2014 – Current   **Founder and Team Captain Unmanned Aerial Systems Team**
https://uas.engr.psu.edu
: *Founded and led the team to compete at the AUVSI SUAS competition*
- 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

2013 – 2014   **Formula SAE** Team Machinist
-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, Javascript, Verilog
Tools: Git, OpenCV
Frameworks: Django
Web/Scripting: HTML, CSS, JQUERY
*Department of defense Secret Security Clearance granted June 2018

Education

2013 – 2019   **Pennsylvania State University**

Languages

Norwegian (fluent), **English** (fluent), **Spanish** (basic)