

# Christopher W. Wagner

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## RESEARCH STATEMENT

I am interested in applying Formal Methods to non-trivial control and reasoning scenarios including Reliable AI, Program Repair, and Model Verification

## EDUCATION

Purdue University  
PhD Student - Computer Science  
August 2018 - Present

Utah State University  
Bachelor of Computer Science  
Graduated: December 2016  
G.P.A. 4.0

## WORK EXPERIENCE

### Northrop Grumman - Associate Software Engineer

March 2017 - July 2018

- Engineered error inducement techniques for PowerPC and VxWorks programs
- Updated software test scripts and documentation for USGS Landsat 9 satellite
- Detected and identified root cause of bugs in embedded flight software

### Utah State University - Computer Science Tutor

August 2014 - December 2016

- Guided CS students in understanding and debugging class assignments
- Taught problem-solving and programming fundamentals

### Micron Technology - IT Software Engineer Intern

Summer 2016

- Repaired C++ and Perl builds for both Windows and UNIX in Jenkins
- Automated GUI testing with VBScript in HP UFT
- Supported a scrum agile team in stand-ups, sprint planning, and retrospectives

### Hewlett Packard (Enterprise) - Software Engineer Intern

Summer 2015

- Engineered dynamic web apps using ASP.NET MVC 4.5  
(C#, HTML5, CSS, JavaScript)
- Patched internal web framework by processing Bugzilla tickets

## HONORS AND AWARDS

Presidential Scholarship  
Eagle Scout

Utah State University  
Boy Scouts of America