

## **JESSICA P. GLASS**

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### *Education*

#### **Bachelor of Science in Aerospace Engineering — University of Cincinnati Class of 2017**

GPA: 3.2/4.0

Minor in Mathematics

Dean's List Fall 2012, Spring 2014, Fall 2015

#### **Mathematics — Western Carolina University 2011-2012**

GPA: 3.5/4.0

Athletic Soccer Scholarship

Dean's List Fall 2011

### *Experience*

#### **NASA Ames Research Center — Research Co-op, Present**

Working on team spanning two NASA centers and three universities, performing a feasibility study for an autonomy operating system onboard UAS, focusing on integrating UAS into the National Airspace, reading FAA documentation on terminal procedures for VFR flight, formalizing pilot procedures for take-off and landing, formulating these procedures into a high-level planning language (PLEXIL)

#### **University of Cincinnati — Undergraduate Research, Laboratory for Temporal Logic, Spring 2015-Present**

Placed on a project under the direction of Dr. Kristin Y. Rozier which focuses on the design and implementation of UAS system health management software, involves designing a modular, 3D printable UAS made specifically to accommodate the system health management hardware, developing an understanding of formal methods by reading previous related work

#### **TECT Power — Engineering Co-op, Fall 2014 & Summer 2015**

Gained detailed knowledge of manufacturing procedures, robotic point programming, participated in continuous improvement projects, use of Minitab statistical software to perform repeatability analysis, analyzed data for the development of sheath/MLE, learned 3D design in Siemens NX, used the A3 process in order to solve large-scale problems

### *Relevant Skills*

#### **Computer Skills**

Programming and data manipulation experience in MATLAB and Simulink, C++, familiarity with programming in LabVIEW, Minitab Statistical Software, 3D design in Siemens NX, understanding of Linux operating systems, document preparation in LaTeX, skilled in Microsoft Office programs including Microsoft Word, Excel and PowerPoint

### *Affiliations & Awards*

#### **Current & Previous**

University of Cincinnati Womens Club Soccer [2013-present]

NCAA Division I Womens Soccer [Western Carolina University 2011-2012]

Year-round competitive soccer [Cincinnati Classics Hammer F.C. 2001-2011]

Ohio High School State Championship in Womens Soccer [2010]