Joseph W. Hastings
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SKILLS
- Programming Languages: C, C++, C#, JAVA, Python
- Applications: Xilinx, Pspice, Microsoft Word/Excel/Powerpoint

ACADEMICS:
Mississippi State University: Graduating May 2018
- Bachelor of Science in Computer Engineering
- Awarded multiple scholarships including: the James Worth Bagley College of Engineering Excellence Scholarship, Freshman Academic Excellence Scholarship, and a Non-Resident Tuition Scholarship
- Member of the MSU Shackouls Honors College
- GPA: 3.6 (out of 4.0)

PREVIOUS WORK EXPERIENCE
NASA, Kennedy Space Center, FL:
Intern, Summer 2017
- Supported Ground System Development Operations (GSDO) by generating Python tests for the command and control system responsible for launching SLS.
- Developed Robot Framework scripts for autonomous execution of tests requiring users to manipulate the control system user interface.

Bentley Systems, Huntsville, AL:
Intern, Summer 2016
- Extended C# application to create HTML based reports that showed performance of cloud-based server application.
- Automated tests to verify different options when printing CAD files to different file types (pdf, jpg).
- Created WIX based installer (Microsoft Windows installation technology to create an MSI) for commercial product.

Northrop Grumman, Huntsville, AL:
Intern, Summer 2015
- Supported the Information Systems Ground Missile Defense (GMD) Group by running simulations and writing MATLAB scripts to analyze data.
- Received a secret clearance (inactive)

TECHNICAL PROJECTS:
Mississippi State University: 2014-2015
- Selected to join a robotics research project team using C on a Linux OS
  - Worked with a Jumping Sumo robot to make it drive autonomously and stream live video back to a laptop

Mississippi State University: 2017-2018
- Heart Rate Monitoring System (Senior Design)
  - Developing a wearable heartbeat sensor that will use software defined radio to transmit data back to a trainer for health monitoring