

Amy Guo

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Education	Bachelor of Science in Computer Engineering , May 2019 Saint Louis University – Saint Louis, MO – GPA: 3.36
Projects	Software Defined Radio – Designed using Nexys 4 FPGA and ATmega328 processor – Developed SPI hardware communication – Depicted low-pass filter using digital logic
Skills	Languages Python, Java, C, C++, Assembly, VHDL, Matlab Fluent in English, Mandarin, and Fuzhou Miscellaneous FPGA Design, Eagle CAD, SolidWorks, L ^A T _E X, Git, ROS, macOS, Windows, Linux
Work History	Teaching/Lab Assistant <i>SLU — Saint Louis, MO (Spring 2017, Fall 2018)</i> – Deliver lectures on laboratory topics and grade reports – Demonstrated lab equipment process REU Research Assistant <i>NIMBUS Lab — Lincoln, NE (Summer 2018)</i> – Atmospheric profiling using unmanned aerial systems – Real-time system integration – Sensor assessment, field experiments, data recording ITS Intern <i>SLU — Saint Louis, MO (2017)</i> – Assist students and faculty with technology questions and support – Maintained system security by exhaustive identity verification
Conferences	<i>Women in Physical Sciences Conf. — University of Nebraska, Lincoln (2018)</i>
Papers	<i>Assessment of Pressure/ Temperature/ Humidity Sensors for Unmanned Aerial Systems — UNL NIMBUS Lab (2018)</i>
Leadership	Secretary <i>SLU Branch of IEEE — Saint Louis University (2017-2018)</i> Vice President <i>SLU Branch of IEEE — Saint Louis University (2018-2019)</i> Social Chair <i>SLU Branch of SWE — Saint Louis University (2018-2019)</i>
Awards and	Outstanding Undergraduate <i>IEEE — Saint Louis Section (2018)</i> Dean's List <i>Saint Louis University (2018)</i>
Volunteer History	Volunteer <i>Make A Difference Day — Saint Louis University (2015)</i> Instructor <i>Billiken Bots — Saint Louis University (2015-2018)</i> Instructor <i>Scout-botics — Saint Louis University (2015-2018)</i>