SARAH BROWN

Computer Engineering Student

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EDUCATION

B.S. in Computer Engineering | B.A. in Mathematics **University of Oklahoma** 📅 Summer 2017 – Expected
Graduation May 2021 📍 Norman, OK ✏️ **GPA: 3.97**
- Study Abroad in Oxford, Summer 2018

Associates of Science **Lone Star College** 📅 May 2017 📍 Houston, TX ✏️ **GPA: 4.0**

SKILLS

Hardware Design:	Altium Designer, EAGLE, KiCad, Multisim
Platforms:	Arduino, Raspberry Pi, mbed, Linux, Windows
Programming:	Java, R, Matlab, C, C++, Git

INVOLVEMENT

Sooner Competitive Robotics   **Officer (April 2019 – Present)**
- Leader in an organization of 50+ students in the mission of building winning robots
- Organized events on campus for outreach and recruiting

Mercury Team Captain(May 2019 – Present)
- Leading a team of 20 students on different subteams toward competing in a telecommunications robotics challenge
- Working with members to develop autonomous subroutines
- Implementing technology to correctly identify an object emitting a 10 Hz pulse among four different objects

Mercury Electrical Subteam Lead (August 2018 – April 2019)
- Designed and implemented the necessary electronic subsystems for a competitive robot
- Constructed electrical systems architecture of ground based mobile robot
- Scored 2nd highest in competition

Women in Electrical and Computer Engineering   **President (April 2019 – Present), Vice President (April 2018 – April 2019)**
- Planned activities and events for students in the college of Electrical and Computer Engineering
- Focused on outreach to and retainment of women within these majors and taught skills necessary to excel in classes

HAM Radio   **2012 – Present**
- Earned highest level HAM Radio license (Extra)
- Volunteered for several years at a HAM run emergency preparedness event, Field Day, which simulates situations where emergency communication is necessary
- Ran the Get On The Air station which introduces newcomers to HAM radio

PROJECTS

Freshman Engineering Experience   **Fall 2017**
- Worked on a small interdisciplinary team to construct a Bluetooth controlled door that could be unlocked via an app
- Managed electronic components including Arduino controlled servos to unlock the door

Halloween Decor   **Fall 2016**
- Used Arduinos to create patterns and illuminate Halloween decorations

WORK EXPERIENCE

Personal Tutor   **Chess Tutor**   📅 2013 – 2016 📍 Houston, TX
- Worked one-on-one with several students focusing on improving chess strategies and tactics

HONORS & AWARDS

🏆 ECE Distinguished Mentor Award   🏆 Girl Scouts Bronze, Silver, and Gold Awards   🏆 National Merit Scholarship