

Josephine Mills

Electrical and Computer Engineer

EDUCATION

August 2016 - May 2020 **Bachelor of Science — Electrical and Computer Engineering**
University of Arizona — Tucson, AZ

- Honors College — GPA 3.86
- Dean's List 2016, 2017, 2018, 2019, 2020
- Tau Beta Pi — Higher Engineering Honor Society — top eighth of class
- Arizona Excellence Scholarship Award

September 2018 - December 2018 **Semester at Sea**
Circumnavigated the globe

- Alumni Support Scholarship covering \$5,000
- World travel to 11 countries on 4 continents by ship with 450 students from 190 universities
- Interacted with people and cultures around the world while taking 12 college credits
- Won 3rd in "Shark Tank" Competition; created business plan for renewable energy company premised upon floating solar panels

EXPERIENCE

August 2019 - May 2020 **Senior Design Capstone Project**
Wave Generator for Biosphere 2 — Tucson, AZ

- Contributed ideas to re-engineer ocean wave generator to improve reliability and durability
- Designed GUI for overall system
- Worked with team of six engineers from three different areas of focus

May 2018 - September 2018 **South Restaurant + Coffeehouse**
Accounting Dept. / Office Admin. — Anchorage, AK

- Reconciled daily revenues for \$6 million restaurant, bar, coffee shop
- Reviewed and analyzed staff work patterns based on duties and expectations

May 2017 - June 2017 **United States Senate**
Intern for Dan Sullivan, US Senator from Alaska — Washington DC

- Worked closely with Senator Sullivan's team in a collaborative fashion to complete projects with tight deadlines in a fast-paced environment

ACTIVITIES AND VOLUNTEER

September 2018 **Senase Homestay Volunteer Network**
Volunteer — Senase, Ghana

- Taught elementary students in classroom
- Repainted school playground and surrounding fence

Initiated 2016 **Kappa Kappa Gamma Sorority**
University of Arizona Gamma Zeta Chapter

- Participated in active campus organization with many fundraising events
- Completed 56+ hours of community service

CONTACT

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SKILLS

Teamwork
Time management
Problem solving
Motivating
Analytical thinking
Creative
Leadership

SOFTWARE

C++
HTML
CSS
Javascript
C
Verilog
MATLAB
Github
MIPS

INTERESTS

- Traveling
- Salmon Fishing on Kenai River, Alaska
- Half-Marathon runner