

# 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