

## 2020 SWE-RMS Freshman Scholarship Recipient Profiles

SWE-RMS is pleased to announce the recipients of its 2020 Collegiate Scholarships. Every year, this local scholarship program awards college women from Colorado and Wyoming, who are planning to major in ABET-accredited engineering, computing, or engineering technology programs. These endowed scholarships are in the names of Lottye Miner and Dorolyn Lines, and the Pioneer Scholarship in memory of three pioneering women engineering graduates of the University of Colorado: Hilda Counts Edgecomb, Elsie Eaves, and Lou Alta Melton Merrill.

### Weldyn Allen

Weldyn Allen is a graduating senior at the University of Denver where she will be receiving her Bachelor of Science in Mechanical Engineering. In addition to her impressive academic record, Weldyn has extensive work experience and was involved in various research & engineering projects. She was an intern at Vartega Inc., worked as an undergraduate research assistant, served as a tour guide for the admissions department at DU, was a physics tutor, and a floral designer in her hometown of Montrose, CO. One of her engineering projects was constructing a semi-autonomous robot to give tours to prospective engineering students. Weldyn was the team lead on this project and the robot had “stair climbing, elevator operation, object recognition, obstacle avoidance, and path following abilities.” Furthermore, Weldyn was involved in SWE and started Girls with Gadgets, an event dedicated to advancing young women in STEM fields. Weldyn plans to attend graduate school at the University of Denver this fall.

### Kayla Hubbard



Kayla Hubbard is a 4<sup>th</sup> year student at Colorado School of Mines where she is working towards her Bachelor of Science in Environmental Engineering. Kayla has many engineering achievements and is very active in college activities. She plays the trumpet in the Colorado School of Mines Music Program, she is a member of Kappa Kappa Psi National Honorary Band Fraternity, she mountain bikes on the Cycling Team, is involved in the backcountry ski club, and is an active member of SWE. In addition, she has made the National Dean’s List several semesters, and was an assistant researcher for “Mechanistic and Predictive Understanding of Needle Litter Decay in Semi-Arid Montane Ecosystems Experiencing Unprecedented Vegetation Mortality.” This past summer, Kayla interned at the National Park Service where she worked to rehabilitate a natural spring and design a new water distribution system in Zion National Park. Kayla plans to get her masters in Hydrologic Science and Engineering.

## Jun Wang

Jun Wang is originally from China and is a PhD student in civil engineering at University of Colorado, Denver. She was motivated to become a structural engineer to “provide people safe infrastructure” after the devastating 2008 Great Sichuan earthquake. Jun’s studying involves the research and development of sustainable concrete as a construction material. This includes finding more recycling



material to use instead of natural resources and fixing damaged structural members with new types of concrete instead of rebuilding them. She has co-authored both published and submitted journals for the American Concrete Institute (ACI). Published journals include *Development of UHPC with Various Silica Admixtures, Characteristics and Chloride Permeability of Internally Cured Concrete*, and *Interfacial Behavior of GFRP Bars Embedded in Concrete with Internal Curing Agents*. Jun’s goal is to become “a concrete expert and help the people in [her] country to design safer infrastructures.”