



ACE MENTOR PROGRAM
ARCHITECTURE ▪ CONSTRUCTION ▪ ENGINEERING

Year 12: January Newsletter

Virtual Teams



Guest Lecture Spotlight: Fairwater Engineering

Thank you to Wayne Keller of [Fairwater Engineering](#) for leading a fabulous virtual electrical engineering session with students earlier this winter.

Wayne is a fantastic presenter who is very engaging with our students. He went above and beyond this year by developing a prototype for a small model house with a solar panel that shows an energy readout when exposed to light.

The project included a small 3-6V solar panel wired to a switched volt-meter display and motor/fan. Students were able to experiment with different lighting conditions to see how much voltage the solar produces and its effects on the fans speed and other applications.

Wayne took the additional time to walk through the activity with students and ensure they had a real hands-on experience even virtually.

Sponsor Opportunities

Help support ACE Mentor of Maine with new Sponsor opportunities.

Your tax-deductible gift provides scholarships for students who otherwise would not have opportunities to pursue careers in the architecture, construction, or engineering fields.

Sponsor Opportunities

Mentor Spotlight:

Christina Porter
Architect, Harriman

Welcome to Christina who is mentoring for her first year with Ace Mentor Program of Maine.



Christina Porter, Harriman

Educational Background:

"I attended Rensselaer Polytechnic Institute (RPI) in Troy, NY, earning a Bachelor of Architecture degree. After looking into several schools in the northeast, I actually chose RPI because of their strong engineering program. I wanted to be sure if architecture wasn't right for me, I could switch majors without switching schools. Luckily, I loved architecture and the school did a great job in providing opportunities for collaboration."

Favorite project:

"I was able to work on a renovation/addition project for the Maine Academy of Natural Sciences at Good Will-Hinckley. It included the historical renovation of a brick building from the early 1900's, as well as a new addition, with the goal of being Net-Positive. It was the first project I was able to be involved with from start to finish, my first time experiencing the entire construction process, and my first taste of real-life sustainable design. I learned a great deal from this project. "

Dream Project:

"I've always wanted to work on a soccer stadium. I love seeing the designs for each World Cup. Stadiums and bridges - where the structure is a main component of the overall design - is what got me interested in architecture in the first place."

Save the Date

**Students Final Presentations
March 31, 2021**

Scholarship Applications

Scholarship applications for current ACE Mentor of Maine students are now available. To be considered for this years scholarships applications and recommendations are due March 8, 2021.

The scholarship application is open to all students (Freshmen – Seniors) within the ACE mentoring Maine program who plan to pursue a career in the design and construction industry as outlined in the scholarship terms. Multiple scholarships will be awarded at the final presentation on March 31, 2021.

We are using an online scholarship application process to collect and evaluate applications from all three of our teams. Only “active” students with a signed parent consent form will be able to see the scholarship application in the database when you login.

[ACE of Maine Scholarship Applications](#)

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