

ERICA LEWIS

Designer & Engineer

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EDUCATION

University of Wisconsin-Madison

B.S. Materials Science and Engineering

Certificates: Textile Science & Material Culture

GPA: 3.4

Expected Graduation Fall 2016

University of Queensland, St. Lucia

International Engineering Studies

& Programs

ACTIVITIES & LEADERSHIP

UW-Madison Club Tennis Team Captain

Alpha Phi Omega Apparel Design Director

Material Advantage Member

Appleton Makerspace Member

Internet of Things - Smart Window

SKILLS

3D Printing

Adobe Creative Suite

HTML + CSS

MATLAB

Maple

Balsamiq

Invision

Usability Testing

Interviews

Contextual Inquiry

Personas

WISCONSIN HUMAN-COMPUTER INTERACTION LABORATORY

Undergraduate Researcher | January 2016 - present

Conducted a scenario-based study to investigate 3D printing various materials for the physical design of a household robot.

Participated in the Undergraduate HCI Reading Group and weekly lab meetings. Assisted with usability testing for a telepresence robot. Volunteered for the Object-Oriented User Experience Workshop and the Better By Design Conference.

KIMBERLY-CLARK CORPORATION

Engineering Co-op | May 2015 - December 2015

Troubleshoot mechanical testing software and performed software usability testing. Established vendor relationships, designed experiments, analyzed data, and published technical documents for the material development team. Served as the website designer and social chair for the Kimberly-Clark Co-op/Intern network. Volunteered for United Way, STEM outreach for the Appleton Makerspace, Fox Valley Warming Shelter, STEM outreach for GirlTech at Fox Valley Technical College.

UW-MADISON CHEMICAL AND BIOLOGICAL ENGINEERING DEPARTMENT

Research Assistant | February 2013 - February 2014

Operated polishing instruments to characterize Metamorphic Base Layer semiconductors. Evaluated data with various material characterization techniques. Collaborated with sales engineers when troubleshooting.