

## **Summer Research Assistant – Design Education (Full-time)**

Design of Sustainable Products Across Complex Environments Lab ([www.designspacelab.com](http://www.designspacelab.com))  
School of Systems & Enterprises, Stevens Institute of Technology  
Summer 2021

### **Position description**

Are you interested in contributing to better, more well-rounded engineering education? This National Science Foundation-funded project looks into how students think about and learn engineering design. We want to know more about student understanding to help improve future engineering education.

Over the past few years, we've collected structured student data from design courses, and a student researcher is needed to help clean and analyze the data, run statistical tests, draw conclusions, write reports, and develop recommendations for curriculum updates and future research. All work will be performed remotely using the research assistant's own personal computer. The research assistant will participate in weekly Zoom meetings with the research team, during which the research assistant will share progress and discuss plans for the upcoming week.

The research assistant will be strongly encouraged to attend the American Society for Engineering Education (ASEE) Annual Conference (which may be virtual or, depending on pandemic-related variables, in person in Long Beach, CA) from July 26-29. They will also be encouraged to attend the virtual American Society of Mechanical Engineers (ASME) IDETC conference from August 17-20. Registration and travel expenses (if applicable) will be covered.

Pay rates vary by student level. Ph.D. students will receive approximately \$25/hour, master's students \$20/hour, and undergraduate students \$16/hour. The expectation is for 33-40 hours/week, for 12-14 weeks over the summer. There is also a possibility of extending the position through the Fall 2021 term (part-time). Applicants should indicate their level and availability in the cover letter.

### **Selection criteria**

The student will be selected among the applicants based on the following criteria:

- Interest in relevant topics, particularly engineering education, design, and academic research;
- Technical skills, such as experience with Excel, Python/R coding, or quantitative analysis;
- Past academic performance and relevant field of degree(s);
- Attention to detail, as described and evidenced in the application materials; and
- Demonstrated communication skills.

### **Application instructions**

Interested applicants should upload the following materials, combined in a single pdf file, via the online form at <https://forms.gle/e2trqif3YTnVvUCb6>:

- Cover letter stating qualifications, interests, career goals, suitability, and availability (hours/week, preferred start/end dates) for this position and research project;
- Resume;
- Unofficial transcripts of all undergraduate and graduate work; and
- GRE scores (if available).

Applications will be accepted through **March 19, 2021 at 5:00pm EDT**, after which the selection process will begin. Late applications will be reviewed only if the position has not yet been filled. Please direct any questions about the position to Dr. Steven Hoffenson at [shoffens@stevens.edu](mailto:shoffens@stevens.edu).