Evaluation Researchers

Evaluation Researchers take a leadership role in evaluating the effectiveness of the Princeton AI4ALL camp on recruitment and retention of the traditionally-underrepresented camp participants within Artificial Intelligence (AI). They work closely with the Princeton AI4ALL Program Directors Profs. Olga Russakovsky and Edward Felten and with the AI4ALL Curriculum Manager Wells Santo.

Responsibilities of the Evaluation Researcher position include:

- Reading and analyzing scientific literature on computer science education to formulate the research hypotheses and the research agenda
- Designing the methodology for analyzing whether the camp’s model is successful at breaking down known barriers that minority students face within computer science and AI. Techniques can include comparing pre- and post-survey responses of participants, as well as comparing the responses between participants of the Princeton AI4ALL camp and others who were pursuing alternative education opportunities: for example, those who attended other AI4ALL camps, those who attend the Princeton AI4ALL camp 2019 versus 2018, or those who applied to the camp but ultimately ended up pursuing another summer program.
- Executing the qualitative and quantitative data collection, e.g., by designing and administering surveys of participants, interviewing current and past participants, and/or observing the camp
- Writing a final report on the research findings, with the aim of publishing in computer science education venues. See Vachovsky et al. SIGCSE 2016 for an example.

Qualifications:

- Strong foundation in statistics, data science and/or quantitative social science, e.g., through SOC 500, POL 572 or equivalent
- Experience with survey design and/or program evaluation is desirable
- Passion for inclusive education
- Prior teaching experience, especially with students ages 14 – 17, is desirable
- Demonstrated responsibility and leadership skills
- Exceptional oral and written communication skills
- Creative and positive attitude, and enthusiasm for working with high school program participants
- Adaptability and willingness to complete hard work
- College-level coursework in computer science and/or artificial intelligence is desirable
- Must be eligible to work in the United States
- Final candidates will be required to pass a background check

The dates of employment are July 1st - Aug 31st, 2019. Evaluation Researchers are further expected participate in the months prior to the camp (February-July 2019) as needed by e.g., reading relevant literature, designing the research methodology, administering surveys to rejected or waitlisted students, etc.
Salary will be commensurate with experience and with the proposed research agenda. Undergraduate students will be paid hourly. Graduate students may be hired as summer research assistants to Profs. Olga Russakovsky and Edward Felten.