

<b><u>Question</u></b>	<b><u>Answer</u></b>
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Title of Paper	Design of a Research Internship Program for High School Students
Abstract	<p>Digital Design Lab (D2L) was created as a pilot program to involve high school students underrepresented in STEM disciplines in computer science and computer engineering research. In a collaboration between Oregon MESA and the Electrical and Computer Engineering Department at the Maseeh College of Engineering and Computer Science at Portland State University (PSU), two program components were designed and implemented in 2010/2011: (1) an initial 1-day introductory workshop to recruit and attract students, followed by (2) a 10-week internship program. All students were recruited through the Oregon MESA program. No selection was done for the 1-day workshop, but interviews were performed for the internship component. During the workshop, students learned how to program microprocessors, how to make complex and artistic patterns with cellular automata, and programmed with Scratch. During the 10-week internship, students came to PSU for 3-hours per week and were directly mentored by a faculty. The participants learned how to program in MATLAB, completed mini-project, kept an wiki-based project lab journal, and gave a presentation. Here we report initial evaluations of the D2L pilot program based on anonymous exit surveys. We will discuss the evaluations and the lessons learned.</p>