Priming the CS Pump: Structure of a State-Wide Push for K-12 Computer Science Education

Dennis Brylow
MSCS Department
Marquette University

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Abstract

In the past five years, Marquette has become the center of a multi-million dollar effort to increase the presence of computer science (CS) coursework in grades K through 12 across the state of Wisconsin. With partners at other universities, professional teacher organizations, the state, non-profits, and many school systems, the prongs of the PUMP-CS project have addressed CS teacher preparation and licensing, CS curriculum creation and deployment, community building, and community service. This talk will outline some of the many facets of this state-wide intervention, with special attention to evaluating current progress and identifying the challenges yet to come.