Maguire is actively involved in public outreach programs involving youth and engineering education. He has lead a middle school program called Concrete for Kids that introduces concrete mixing and testing concepts to young people; and he is actively involved in an engineering summer camp program called Engineering State.

Maguire was first introduced to PCI as a graduate student of Dr. George Morcous and Dr. Maher Tadros at the University of Nebraska-Lincoln and originally funded through the Daniel P. Jenny Fellowship program.