

Undergraduate Mathematics Colloquium

Ilya Marchenka `19

Anh Tran `19

Rice University

“What I Did Last Summer”

Friday November 10

Talk at 4:00 in Herman Brown 227

Tea at 3:30 in Herman Brown 438

Pizza after the talk

ABSTRACT: Come hear two Rice math majors tell you about their research experiences last summer! They will tell you about their projects and what they enjoyed about the experience. There will also be lots of time for questions so that you can learn about the opportunities available for you!

Ilya implemented a prototype of a multiplicatively homomorphic, pairing-based cryptosystem to be used in elections. Anh studied pattern-avoiding permutations using algebraic tools such as characteristic polynomials of linear recurrences.

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