

PETER ILLIG

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EDUCATION

CARLETON COLLEGE | NORTHFIELD, MN

Sep 2014 - Jun 2018

BA, Mathematics | Cum. GPA: 3.89 | Major GPA: 4.00

RELEVANT COURSES: Programming Languages, Evolutionary Computing & Artificial Life, Computability and Complexity, Theory of Elliptic Curves, Advanced Linear Algebra, Computer Architecture, Software Design, Topics in Abstract Algebra

RÉNYI INSTITUTE | BUDAPEST, HUNGARY

Aug - Dec 2016

Mathematics | Cum. GPA: 4.00

COURSES: Conjecture and Proof, Abstract Algebra II, Combinatorics, Topology, The Pósa Method

EXPERIENCE

CARLETON COLLEGE | MATH TUTOR

Sep 2015 - Present

- Provided walk-in tutoring in Carleton's Math Skills Center
- Tutored in math, physics, and computer science
- Helped students develop problem-solving skills and techniques

CARLETON COLLEGE | MATH DEPARTMENT HIRING COMMITTEE

Jan 2018 - Present

- Interviewed candidates for visiting and tenure track positions
- Assessed candidates' teaching and researching abilities, made recommendations to department

CARLETON COLLEGE | SUMMER RESEARCHER

Jun - Sep 2017

- Researched computational methods of solving jigsaw puzzles and related topics, including Euclidean curve invariants, string matching, and weighted graph algorithms
- Developed a Mathematica program to solve and assemble "apictorial" jigsaw puzzles
- Presented at the Mathematical Association of America's Mathfest 2017

UNIVERSITY OF ST. THOMAS | SUMMER RESEARCHER

Jun - Sep 2016

- Studied connections between water quality and turtle populations in urban lakes
- Collected water samples, tracked turtles with radio telemetry
- Analyzed large datasets of water quality and turtle locations

PROGRAMMING LANGUAGES

- Expert in C, Java, Mathematica, Python, TeX
- Proficient in Scheme, JavaScript, SQL, HTML/CSS
- Experience with Magma, Sage, Haskell, Assembly (x86, MIPS)

HONORS/AWARDS

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| • 2018 | Phi Beta Kappa Member | Phi Beta Kappa |
| • 2018 | Distinction in the Math Major | Carleton College |
| • 2017 | Outstanding Presentation Award | Mathematical Association of America |
| • 2015 - 2017 | Dean's List | Carleton College |
| • 2014 | National Merit Finalist | National Merit Scholarship Corporation |