RESUME

CHRISTOPHE DETHIER

Education.

PhD in Mathematics - University of Oregon, July 2019 (expected)
Adviser: Shabnam Akhtari
Subject of Study: Number Theory (Diophantine Approximation)

BA in Mathematics - Carleton College, Spring 2013
Distinction, Magna Cum Laude

Publications.

- Christophe Dethier. Diagonalizable quartic Thue equations with negative discriminant *Acta Arithmetica* 193: 235-252, 2020

Programming Languages.

- Fluency in Python. (Including numpy and matplotlib)
- Familiarity with Sage. (My publication above and an unpublished project which will make up my dissertation required used sage computations. Both can be found at cdethier.github.io.)
- Familiarity with C#.

Actuarial Exams.

- Exam P passed, January 2020
- Exam FM expected, Summer 2020 (postponed from April 2020)

Work Experience.

- I have seven years experience teaching undergraduate mathematics at University of Oregon as a graduate teaching fellow. I taught algebra, trigonometry, calculus, statistics, and discrete mathematics. I was the sole instructor for almost every course taught.

Graduate Applied Coursework.

- Applied Mathematics, Fall 2019 (Professors Benjamin Young and Peter Ralph)
  Solving applied and combinatorial problems using mathematics and Python.
- Applied Stochastic Processes, Winter 2020 (Professor Peter Ralph)
  Theory, modeling, and communication of stochastic processes using Python.
- Seminar in Machine Learning and Statistics, Spring 2020 (Professor Luca Mazzucato)
  Theory and modeling of neural networks using Python (tensorflow)

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