

Anonymous

Resumé (March 24, 2016)

CONTACT INFO

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EDUCATION

B.S., Physics and Mathematics
Logic and Methodology (Minor)

2016

North Carolina State University

Graduate of the Math Honors Program. Member of $\Sigma\Pi\Sigma$, the physics honor society.

Math GPA: 3.9. Physics GPA: 3.3.

Selected undergraduate courses: Classical Mechanics I-II, Electromagnetism I-II, Quantum Physics I-II, Thermal Physics, Scientific Method, Numerical Analysis II, Number Theory, Probability Theory, Game Theory

Selected graduate courses: Abstract Algebra, Linear Algebra, Combinatorics, Differential Equations II, Real Analysis II, Nonlinear Dynamics and Chaos, Set Theory & Foundations

COMPUTER SKILLS

| | |
|----------------|---------------------------------|
| Linux (Ubuntu) | MATLAB |
| Python (2 & 3) | LabVIEW |
| JavaScript | L ^A T _E X |

EXPERIENCE

Teaching / Tutoring

- I tutored at NCSU's Physics Tutorial Center for one year during my undergraduate studies. In addition, I worked as a private tutor for both math and physics.
- In my graduate set theory course (MA 561), I taught a one-week module on category theory, after the primary course material had concluded.

Software Development

- I am the author and lead developer for the Python package `xxxxx`, which implements object-oriented representations of various number-theoretic and combinatorial structures. The repository can be found at github.com/mygithub/xxxxx.
- I am on the developer team for A Webgame, an open-source web game written in JavaScript. I am responsible for several end-game content tracks and general QA testing. The GitHub repository (along with my contributions) can be found at github.com/someoneelse/awebgame.

Laboratory Research

- Along with two partners, I conducted an analysis of Chua's circuit, the simplest known circuit that exhibits chaotic behavior. This entailed assembling and soldering the circuit, implementing a specialized iterative fit algorithm in MATLAB, comparing the results to the "double scroll" theoretical expectation, and typesetting a formal research report. The report can be found at mywebpa.ge/papers/ChuaCircuit.pdf.