David White

Curriculum Vitae

Department of Mathematics
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🌐 dave-white.github.io/ | ⌗ dave-white (GitHub)

FORMATION

2017 à présent	**Ph.D.**, *North Carolina State University*, Raleigh, NC Mathématiques
2007–2011	**B.A.**, *Duke University*, Durham, NC Philosophie et mathématiques

RECHERCHE

My study is conducted in the field of low-dimensional manifold topology, with a focus upon applications of Floer theory to questions of 3-manifold topology and of knot theory. Of particular interest for me here are the implications of the ideas underlying the Atiyah-Floer conjecture—the linkage between the gauge-theoretic properties of a space and those based in symplectic geometry.

PUBLICATIONS

o White DG (in preparation). "Symplectic Instanton Knot Homology." submitting to *Journal Geometry & Topology*.

SKILLS

Logiciel

Mathematical	SymPy, Maple, MATLAB, Mathematica	High level	C/C++, Java, VisualBasic
Scripting	Python, PHP, Javascript, Vimscript, `bash`, `zsh`	Document / Markup	TeX, HTML, CSS, Markdown
System	Linux, MacOS	Version control	Git

Langues

Anglais	Locuteur natif	
Français	Intermédiat	*Proficient reader, intermediate to advanced listening comprehension, developing speaker*

TRAVAIL

2017	**Tutor**, *Mathnasium*, Huntersville, NC Tuteur en mathématiques aux élèves K-12.

2014–2016 **Associate Software Developer**, *iPipeline, Inc.*, Exton, PA
Front- and backend developer of engine producing prospectus for insurance and other actuarial products.

2011–2013 **Senior Developer**, *BPM Specialists, Inc.*, Atlanta, GA
Pega-certified Senior Systems Architect.

ENSEIGNER

North Carolina State University

Instructor (of record) for the following:

Cours	Semestre
Calculus III - Multivariable calculus	Automne 2019
Topics in Contemporary Mathematics	Été 2, 2019 & 2021