

# WILLIAM WOOD

## INTRODUCTION

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I have just finished my PhD student in the Department of Mathematics at UC Irvine, specializing in dynamical systems and spectral theory of ergodic Schrödinger operators. My advisor is Anton Gorodetski. My position as a visiting assistant professor at UC Riverside begins in the fall of 2024.

## PUBLICATIONS

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William Wood, “On the spectrum of the periodic Anderson–Bernoulli model”, J. Math. Phys. 63, 102705 (2022) <https://doi.org/10.1063/5.0096118>

Jake Fillman, William Wood, “Infinitely many gaps in the spectrum of Anderson-Bernoulli Model”, work in progress.

Anton Gorodetski, William Wood, “On Sums of Small Cantor Sets”, Preprint.

William Wood, “Geometry of the Hyperbolic Locus in 3 Dimensions”, Preprint.

## PRESENTATIONS

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The Geometry of the Hyperbolic Locus  
Beyond Uniform Hyperbolicity June 2025

Sums of “Small” Cantor Sets  
UC Irvine, Irvine, California, October 2023

Dynamical Applications to Studying the Spectrum of the Periodic Anderson-Bernoulli Model  
“Periodic and Ergodic Spectral Problems” Summer School  
Montreal, Canada, June 2023

Dynamical Applications to Studying the Spectrum of the Periodic Anderson-Bernoulli Model  
UCR. Riverside, California, April 2023

Dynamical Applications to Studying the Spectrum of the Periodic Anderson-Bernoulli Model  
AMS Spring Southeastern Sectional Meeting  
Atlanta, Georgia, March 2023

Uniform Hyperbolicity and Random Word Model with a Spectrum with Infinitely Many Gaps  
Semi-annual Workshop in Dynamical Systems and Related Topics  
State College, Pennsylvania, November 2022

Uniform Hyperbolicity and the Periodic Anderson-Bernoulli Model  
Analysis Seminar Rice University, Houston, Texas, September 2022

Uniform Hyperbolicity and the Periodic Anderson-Bernoulli Model  
Houston Workshop on Hyperbolic Dynamical Systems  
Houston, Texas, May 2022

## WORKSHOPS AND SUMMER SCHOOLS ATTENDED

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Beyond Uniform Hyperbolicity

Trieste, Italy. June 2025

<https://indico.ictp.it/event/10841>

Advanced Studies Institute in Analysis on Fractal Spaces & Dynamical Systems

Urgench, Uzbekistan. August 2023

[https://www.fullerton.edu/ires-uz/asi/asi\\_fractalspaces/asi\\_fractal-dynamical.php](https://www.fullerton.edu/ires-uz/asi/asi_fractalspaces/asi_fractal-dynamical.php)

TXST Summer School in Mathematical Physics

San Marcos, Texas. July 2023

<https://sites.google.com/site/jakefillman/summer-school-2023>

SMS 2023: Periodic and Ergodic Spectral Problems

Montreal, Canada. June 2023

<https://www.crmath.ca/en/activities/#/type/activity/id/3849>

The 24th Midrasha Mathematicae: Random Schrödinger Operators and Random Matrices

Jerusalem, Israel. May 2023

<https://ias.huji.ac.il/event/24th-midrasha-mathematicae>

Beyond Uniform Hyperbolicity

Bedlwo, Poland. April 2023

<https://www.impan.pl/en/activities/banach-center/conferences/23-buh>

Houston Workshop on Hyperbolic Dynamical Systems

Houston, Texas. May 2022

<https://www.math.uh.edu/~climinha/2022-workshop.html>

## EDUCATION

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PERIOD **2017-2023**

DEGREE **PhD in Mathematics**

UNIVERSITY **The University of California at Irvine**

Irvine, CA USA

PERIOD **2012-2014**

DEGREE **MA in Mathematics**

UNIVERSITY **The University of California at San Diego**

San Diego, CA USA

PERIOD **Sept 2009 — Dec 2011**

DEGREE **Bachelor of Science in Mathematics**

RANK **With High Honors**

UNIVERSITY **Georgia Institute of Technology**

Atlanta, GA USA

PERIOD **2006-2009**

UNIVERSITY **Appalachian State University**

Boone, NC USA

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## WORK EXPERIENCE

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PERIOD **2024-Present**  
EMPLOYER **UC Riverside** Riverside, CA  
JOB TITLE **Visiting Assistant Professor**

PERIOD **2017- 2023**  
EMPLOYER **UC Irvine** Irvine, CA  
JOB TITLE **Teacher's Assistant**  
I have been a teacher's assistant at UCI for 5 years, with a variety of classes.

PERIOD **2015-2017**  
EMPLOYER **San Diego City College** San Diego, CA  
JOB TITLE **Community College Teacher**  
While working at SDCCU, I taught roughly 2-3 classes a quarter, often focusing on Prealgebra, Algebra 2, Business Calculus, and Statistics.

PERIOD **2015-2016**  
EMPLOYER **Southwestern College** San Diego, CA  
JOB TITLE **Community College Professor**  
While teaching at Southwestern, I taught mostly Algebra 2.

PERIOD **2016-2017**  
EMPLOYER **Grossmont College** San Diego, CA  
JOB TITLE **Community College Professor**  
While teaching at Grossmont, I taught Prealgebra, Algebra 2, and Statistics.

## ACTIVITIES AND EVENTS

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Big Ideas in Dynamics  
Spring 2023 and Fall 2023  
<https://sites.google.com/view/bigideasindynamics/home?authuser=0>

## REFERENCES

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