

### Education

- 09/24- **Ph. D. student**, *Department of Pure Mathematics, University of Waterloo*  
*Supervisor: Spiro Karigiannis*
- 09/23–08/24 **M.Math in Pure Mathematics**, *University of Waterloo*  
*Thesis: "Perspectives on the moduli space of torsion-free  $G_2$ -structures"*  
*Supervisor: Spiro Karigiannis*
- 01/19–04/23 **B.Math in Pure Mathematics**, *University of Waterloo*  
*Major GPA: 91, Dean's Honours, Co-op Program*
- 02/22–07/22 **Exchange semester**, *École polytechnique fédérale de Lausanne (EPFL), Switzerland*

### Research

- 09/22–12/22 **Undergraduate Research Assistant**, *Department of Pure Mathematics, University of Waterloo*  
*Riemann-Roch for Quantum Graphs, supervised by Prof. Matthew Satriano*
- 07/22–08/22 **Research Student**, *Fields Institute, Toronto and Krembil Research Institute, Toronto*  
*(Fields Undergraduate Summer Research Program)*  
*Diffusion in Thin Pipes and Surfaces, supervised by Dr. Maurizio De Pitta*
- 05/21–08/21 **Undergraduate Research Assistant**, *Department of Pure Mathematics, University of Waterloo*  
*Born Metrics on Hyperelliptic Surfaces, supervised by Prof. Ruxandra Moraru*

### Talks

#### Waterloo Differential Geometry Working Seminar

- August '24 **The moduli space of torsion-free  $G_2$  structures**
- June '24 **The Ebin Slice Theorem**
- March '24 **A theoretical framework for  $H$ -structures**
- January '24 **Some computations with gauge transformations on a  $G_2$  manifold**

### Conferences and Workshops Attended

- June '24 **Séminaire de Mathématiques Supérieures 2024: Flows and Variational Methods in Riemannian and Complex Geometry: Classical and Modern Methods**, *Centre de Recherches Mathématiques, Montreal, Canada*

April '24 **Special Riemannian Metrics in Dimensions 6,7,8**, *Centre de Recherches Mathématiques, Montreal, Canada*

## Awards

- 2024 **International Doctoral Student Award**, *University of Waterloo*  
*Monetary value: 5140 CAD*
- 2024 **Pure Math Graduate Entrance Scholarship**, *University of Waterloo*  
*Monetary value: 4479 CAD*
- 2023,2024 **Graduate Research Studentship**, *University of Waterloo*  
*Monetary value: 5585 CAD*
- 2023,2024 **Pure Math Grad Award**, *University of Waterloo*  
*Monetary value: 11895 CAD*
- 2023 **International Master's Award of Excellence**, *University of Waterloo*  
*Monetary value: 5000 CAD*
- 2022, 2021 **Mathematics Undergraduate Research Award (MURA)**, *University of Waterloo*  
*Monetary value: 12000 CAD*
- 2022 **David Johnston International Experience Award**, *University of Waterloo*  
*Monetary value: 2500 CAD*
- 2019 **President Scholarship**, *University of Waterloo*  
*Monetary value: 2000 CAD*

## Teaching

Teaching Assistant (University of Waterloo)

- Spring '24 **MATH 237 (Calculus 3)**
- Winter '24 **PMATH 365 (Differential Geometry)**
- Fall '23 **MATH 115 (Linear Algebra for Engineering)**
- Undergraduate Marker (University of Waterloo)
- Fall '21 **MATH 228 (Differential Equations for Physics and Chemistry)**
- Winter '21 **MATH 136 (Linear Algebra)**
- Tutoring (University of Waterloo)
- 2023, 2024 **Mathematics Tutorial Center**
- 2020, 2021 **University of Waterloo Athletics and Recreation**

## Work Experience

- 09/20-12/20 **Software Developer**, WIND RIVER SYSTEMS, Ottawa, Canada
- 01/20-04/20 **Software Developer**, AUVIK NETWORKS, Waterloo, Canada