Patrick Devaney

patricksdevaney@gmail.com | patrickdevaney.net
Citizenship: British and Canadian

Education

University of Windsor - *MSc* Computer Science
September 2021 - Present | Windsor, ON
- Supervisors: Ahmad Biniaz and Prosenjit Bose
- Research area: Computational Geometry

University of Windsor - *BCS(H)* Computer Science, *BMath(H)* Mathematics
September 2016 - June 2021 | Windsor, ON
- 92.27% cumulative average
- Minor in Statistics
- Graduated with great distinction

Research Experience

University of Windsor - Research Assistant - Supervisor: Dr. Ahmad Biniaz
September 2020 - April 2021 | Windsor, ON
- Researched lowering the approximation factor in an algorithm for bounded-angle minimum spanning trees as part of research project course

University of Windsor - Research Assistant - Supervisor: Dr. Arunita Jaekel
January 2019 - April 2019 | Windsor, ON
- Worked on vehicular ad-hoc network traffic simulation project using SUMO, Veins, and OMNeT++

University of Windsor - Research Assistant - Supervisor: Dr. Sherif Saad Ahmed
February 2018 - July 2018 | Windsor, ON
- Worked as part of a group on designing and developing a proof-of-concept ransomware in C# using agile methodology
- Responsible for file system functionality
- Attended cybersecurity consultation meetings with industry

Teaching Experience

University of Windsor - Teaching Assistant
- Design and Analysis of Computer Algorithms (Fall 2021)
- Theoretical Foundations of Computer Science (Fall 2019)
- Key Concepts in Computer Science (Summer 2019)
- Social Media and Mobile Technology for End Users (Summer 2018)

Awards and Scholarships

University of Windsor LEAD Gold Medallion (2021)
- Awarded for activities in Leadership, Engagement, Application, and Discovery

University of Windsor Dean's Renewable Entrance Scholarship (2016-2020)
- $10,000 value

Technical Skills
Programming Languages: Python, C++, C, Java

Programming Competitions
ACM ICPC Regional Competition (2017-2020)
- Highest-finishing University of Windsor team from 2017-2020

ACM ICPC Local Competition (2017-2020)
- Placed first out of 10+ teams at the University of Windsor from 2017-2020

CS Games Montreal (2017)
- Competed in Software Engineering, Relay Programming, and Security events

University of Windsor Student-Led Programming Competition (2017) - 3rd place
Computer Science Society Problem of the Week (2016-17) - 1st place

Activities
University of Windsor School of Computer Science - Undergraduate Representative
September 2018 - August 2019 | Windsor, ON
- Discussed proposals for new courses and changes to existing courses as part of the undergraduate curriculum committee
- Involved in the hiring of 3 new tenure-track professors as part of the appointments committee