

Daniel Hinbest

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Noted Achievements

Skills Ontario Coding Competition – Gold Medal

Apr. 2022

- Province-wide competition for post-secondary students enrolled in computer programming at an Ontario college. I represented Durham College in the competition, and I had to complete a flowchart that would show the steps to complete a technical procedure and build a CRUD-based console application using object-oriented programming tools.

Education

Bachelor of Science (Honours), Computer Science

2023 – Present

Ontario Tech University, Oshawa ON

- Direct entry into third year with through the college-to-university transfer program.
- Honours Thesis: Researching software testing education, analyzing how students learn white box unit testing and identifying trends in testing patterns.
- Notable courses:
 - Software Quality Assurance (Black Box & White Box Testing, Unit Testing, Test-Driven Development)
 - Massively Parallel Programming (Concurrent and Parallel Programming with OpenMP, POSIX, and OpenCL)
 - Analysis & Design of Algorithms (Algorithm Optimization and Complexity Analysis)
 - Information Visualization (Data Visualization in R)

Advanced Diploma, Computer Programmer Analyst

2019 – 2022

Durham College, Oshawa ON

- President's Honour Roll
- Notable courses:
 - Web Development (PHP, JSP, and JavaScript)
 - NET Development (C#)
 - Object Oriented Programming (C++ and Java)
 - Database Development (Microsoft SQL Server, PostgreSQL, and MySQL)

Work Experience

Peer Tech Support

May 2024 – Present

Ontario Tech University, Oshawa ON

- Within the Teaching and Learning Centre (TLC) to support the various educational technologies that are used at Ontario Tech.
- Assist students as they learn to use the many tools available to them including but not limited to Canvas, Mentimeter, Kaltura, and Respondus Lockdown Browser.
- Provide technical support to improve students' experience with educational platforms.

IT Developer/External Contractor

Aug. 2022 – Aug. 2023

Scotiabank/Dawn InfoTek, Scarborough ON

- Maintained and supported technical infrastructure within the bank, in a fast-paced environment
- Collaborated with a team of developers to analyze, troubleshoot, and improve system functionality
- Provided on-call technical support for internal operations on a weekly rotating schedule.
- Utilized Kanban methodology and to Jira to manage tasks and workflows efficiently
- Worked with ServiceNow for issue tracking and service management processes

Peer Tutor

Durham College, Oshawa ON

Sept. 2021 – Apr 2022

- Provided one-on-one tutoring in Object Oriented Programming (C++/Java), Databases (SQL), .NET Development (C#), Python, and Web Development (PHP/Java)
- Helped students improve study methods and understanding of course material

Volunteer Experience

Computer Programming Program Advisory Committee

Durham College, Oshawa ON

Sept. 2021 – Apr 2023

- Alumni Representative (2022-2023) & Student Representative (2021-2022)
- Collaborated with students, faculty, alumni, and industry professionals to discuss evolving technologies and improve the program curriculum

Relevant Skills

- Strong familiarity of object-oriented programming in languages including Java, Python, Kotlin, C++, and C#
- Experience building web applications using frameworks including Spring, Django, and React.
- Strong familiarity with database development using PostgreSQL, MySQL, and Microsoft SQL Server
- Experience creating and maintaining software test suites for black box and white box methodologies
- Proficient in version control systems including Git and GitHub
- Skilled in software development environments including Visual Studio, VS Code, IntelliJ IDEA, PyCharm, and Eclipse
- Strong problem-solving skills with the ability to debug and optimize code efficiently
- Excellent ability to communicate effectively in writing and verbally, both in technical and collaborative environments
- Strong ability to work independently and in teams to achieve common goals.