

# JEREMY THUMMEL

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## SKILLS & QUALIFICATIONS

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- Proficient in analyzing data and drawing trends using critical thinking and pattern recognition.
  - Knowledgeable at gathering and manipulating data from large databases using SQL.
- Competent at 3D modeling using AutoCAD and SketchUp software.
  - Experience designing and 3D printing components for use with Arduino LCD.
- Use GDScript in the Godot engine to produce custom physics for video game projects using 2D vector normalization techniques and self-programmed acceleration systems.
- Manage and manipulate Microsoft Excel documents for tutoring payments and invoices.
- Frequently use Git to create and manage development branches for personal and work-related projects.

## EDUCATION

3.7GPA

### BACHELOR'S IN COMPUTER SCIENCE (HONS)

SEPTEMBER 2022 - CURRENT | 3RD YEAR

*Ontario Tech University*

- Applicable Courses: Intro to Computer Science, Programming Workshops I, Programming Workshops II, Computer Architecture I, Scientific Data Analysis, Data Structures, Discrete Mathematics for Computer Science, Statistics and Probability for Physical Sciences, Software Systems Development & Integration, Software Design and Analysis, Computational Science I.
- Recipient of the 2022 Fall Semester, 2023 Winter Semester, and 2024 Winter Semester President's List Award.

## PROJECTS

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### CHATNOW (ONLINE CHAT ROOM PLATFORM) - SOFT. SYSTEMS & INT.

APRIL 2024

- Team project focused on providing local users a way to connect and chat with each other in different chat rooms.
  - Using WebSockets each user is able to connect to the server and create a chat room, or join one that already exists.
  - The project utilizes Java for back-end server message handling, HTML and CSS for user interface manipulation, and JavaScript for communication between the server and each user's client.
  - The GlassFish server plugin was required to allow localhost network access.

### EMAIL SPAM DETECTION - SOFT. SYSTEMS & INT.

MARCH 2024

- Group project with the achieved goal of training an algorithm to detect the difference in email spam and ham.
  - Using a Restful API running on a local server, emails are parsed to a Java file where an algorithm learns to create probabilities that determine whether or not an email is spam.
  - The client displays the algorithm's accuracy and precision in its spam determinations using HTML, CSS, and JavaScript.

### SCREEN TIME STUDY - SCIENTIFIC DATA ANALYSIS

NOVEMBER 2023

- Solo summative project graphing the relationship between a person's mental health and their screen time.
  - Using Python in a Jupyter Notebook, displayed graphs using the Matplotlib and Seaborn libraries.
  - Gathered and imported data from external CSV files using Pandas and NumPy libraries.

## EXPERIENCE

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### PRODUCE CLERK

JUNE 2021 - CURRENT

*Longo's*

- Experience dealing with tightly timed quotas and mass amounts of customer demands.
  - Enhanced ability to solve problems in a team setting fast and efficiently, and work under stressful conditions with effective time-management.

### MARTIAL ARTS INSTRUCTOR

NOVEMBER 2018 - MARCH 2019

*Stouffville Martial Arts Academy*

- Ran and organized classes that taught a young generation of students self-defence.
  - Took up a leadership position when conducting karate classes.
  - Practiced conflict resolution when dealing with younger students, and exercised adaptability and organizational skills when my supervisors requested additional teaching plans.