

Jonathan Marcantonio

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EDUCATION

University of Toronto

Mississauga, ON

Honours Bachelor of Science, Computer Science Specialist

2019 – 2023

- **Relevant Courses:** Software Design (Java), Data Structures and Analysis (Python), Software Tools and Systems Programming (C, Bash), Computer Organization (MIPS Assembly), Calculus of Several Variables, Probability and Statistics I

EXPERIENCE

OneTHP Support Staff

August 2020 – Nov 2020

Trillium Health Partners

Mississauga, ON

- Provided one-on-one guidance to physicians, nurses, and other staff during Trillium Health Partner's implementation of their new Hospital Information System, *EPIC*
- Filed help tickets upon request of health personnel in a remote service role
- Increased employee productivity via in-person and remote trouble shooting

Game Server Founder/Owner

Nov. 2013 – Oct. 2017

Cookie Craft Prison

- Generated sales of over **\$30,000**
- Launched (at age 12) a successful game server of over **33,000+** unique players
- Built a game server on top of the wildly successful game, *Minecraft*
 - * Built on the game genre of Prison Servers where players would mine, fight, and explore
- Assessed and troubleshoot billing issues for over **2900** transactions

PROJECTS

IEEE-754 Converter | *Java, JavaFX, Git*

- Developed a program to convert between IEEE-754 2008 representation of 32 bit values and decimals
- Incorporated JavaFX to create a reactive GUI interface
- Implemented GitHub to effectively work with 2 other teammates

City Transit System Simulator | *Java, Git*

- Developed a full scale city transit system simulator with handling of multiple customers, subway and bus routes
- Unified a team of 4 to finish our goals via planning in a product backlog
- Collaborated with teammates via weekly scrum meetings
- Implemented GitHub and Agile sprints to effectively work with 3 other teammates

Memories | *JavaScript, Node.js, Discord.js, Heroku, Git*

- Developed a Discord Bot to simplify the process of finding memories
- Utilized Node.js to run the back-end on Heroku via Git integration

Huffman Coding Compression | *Python*

- Developed an efficient compression/decompression algorithm utilizing Huffman trees

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, HTML, CSS, MIPS Assembly

Technologies: React.js, Node.js, Express.js, JavaFX

Tools: Git, Linux, Bash, L^AT_EX, Heroku, MongoDB

ACHIEVEMENTS

Learning Excellence

University of Toronto

CSC258 - Computer Organization

2021 Winter

Dean's List Scholar

University of Toronto

Cumulative GPA of 3.50 or higher after completion of first year

2019 – 2020

U of T Mississauga Guaranteed Entrance Scholarship

University of Toronto

Merit based scholarship awarded to students with academic excellence

2019