Jonathan Marcantonio

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Education

University of Toronto Sep 2019 – Apr 2023
Honours Bachelor of Science, Computer Science Specialist *Mississauga, ON*

- **Relevant Courses**: Software Design (Java), Data Structures and Analysis (Python), Software Tools and Systems Programming (C, Bash), Computer Organization (MIPS Assembly)

Experience

OneTHP Support Staff Aug 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*
- Accelerated patient registration time by **40%** via in-person and remote trouble shooting
- Filed help tickets upon request of health personnel in a remote service role

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
- Assessed and troubleshot billing issues for over **2900** transactions
- Built a game server on top of the wildly successful game, *Minecraft*

Projects

WikiLink | *MongoDB, Express.js, React.js, Node.js* View Project

- Built a full-stack web application in JavaScript that "extends" any link using a random wikipedia article
- Integrated data from Wikipedia's MediaWiki API to load content from a random article
- Utilized a MongoDB database to fetch and redirect "extended" urls to their correct destination

IEEE-754 Converter | *Java, JavaFX* View Project

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

Memories | *Node.js, Discord.js, Heroku* View Project

- Developed a Discord Bot to simplify the process of finding messages

City Transit System Simulator | *Java*

- Designed a full scale city transit system simulator with handling of multiple customers, subway and bus routes
- Unified a team of 4 via weekly scrum meetings

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, LaTeX, Netlify, 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*