JONATHAN CHEN

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github.con/chen-jonathan

EDUCATION

University of Toronto   September 2019 - Present
Honours Bachelor of Science (H.B.Sc) in Computer Science
- Programs: Computer Science Specialist, Statistics Minor, Asian Canadian Studies Minor
- Cumulative GPA of 3.97/ 4.0

EXPERIENCE

Canada Basketball Writer   Jan. 2020- Present
Raptors Republic
- Author of the weekly column "The Canadian Roundup" which focuses on storylines and analysis of Canada basketball in the NBA, NCAA, EuroLeague and High School Basketball
- Contributed Toronto Raptors related content throughout the season

Summer Camp Counsellor   July 2018 – August 2019
City of Toronto
- Planned, organized and led camp games, arts and crafts, and songs on a daily basis
- Supervised campers aged 6 to 12 at the camp location as well as on off-site field trips
- Responsible for administrative tasks (attendance, collecting permission forms, incident reports) to ensure camp ran smoothly

PROJECTS

Education_Bot   *github.com/GoodMorningA1i/Education-Bot* - June 2020
- Created a Discord bot that provides students and teachers with numerous intuitive features to make the transition to online learning smoother
- Utilized Node.js, Discord.js, and the Oxford Dictionary API to develop the features of the bot
- Submitted as part of the Prepr Beyond Covid-19 Education Challenge, won the Most Innovative Project Award

Blocky   March 2020
- Created a visual board game with the goal of getting the most blocks of a certain colour remaining at the end
- Programmed the multiple moves users can choose from, a CPU with varying difficulty and the scoring mechanism
- Utilized Python for the back-end and the front-end graphics was provided by the course instructors
- Implemented recursion with a data structure called "quad-tree" as well as inheritance

Grouper Database   February 2020
- Developed a program that would help sort students based on certain criteria (similar survey answers, etc.) as well as varying grouping algorithms
- Utilized Python for the back-end development of the project
- Implemented inheritance, composition relationships, and polymorphism

ADT and Sort Animation   *github.com/chen-jonathan/ADT-and-Sort-Animation* - June 2019
- Developed a project animating how common elementary ADT's and sorts work
- Utilized Java for the back-end of the program and front-end was provided by course
- Implemented Object Oriented Programming for the bars used for the animation

SKILLS

Languages: C#, Java, Python, JavaScript, HTML, CSS

Miscellaneous: Node.js, Anaconda, Spyder, LaTeX, Microsoft Office, WordPress