James Huynh

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EDUCATION

University of Toronto - St. George Sep 2016 – Present
Honours Bachelor of Science, Computer Science Toronto, ON

PROJECTS

Interactive Treemap Visualizer Nov – Dec 2016
- Implemented a geometric tree visualisation algorithm using **Python** Toronto, ON
- Designed to interact with real-world data such as the World Bank API
- Involved debugging contents of dictionaries obtained in JSON format

Patient Priority Heap May 2015
- Designed a heap data structure with **Java** to prioritize patients based on their physical and mental conditions Mississauga, ON

Student Database Analysis Apr – May 2015
- Utilized **Java** to run search and sorting methods on +2000 student profiles Mississauga, ON
- Analyzed efficiency of sorting algorithms, such as bubble and selection sort

COMPETITIONS

Educational Computing Organization of Ontario Programming Contest Apr 2015 | 2016
- Placed **Top 3** among school board (DPCDSB) and advanced to regionals in both years with a team of 4 students Toronto, ON
- Used **Python** and **Java** to solve 4 challenging problems within 3 hours
- Developed better communication skills by coordinating with the team

GameMaker Competition • Lead Programmer Sep – Dec 2015
Mansion Buster, a nightmare-themed top-down shooter Mississauga, ON
- Coordinated implementation of the game with 5 team members
- Implemented mechanics like player abilities with GameMaker engine
- Game was recognized for unique design and enemy mechanics

VOLUNTEER EXPERIENCE

Hour of Code • Activity Attendant Dec 2014 | 2015
- Moderated the annual coding event with introductory programming activities to raise students' interest in coding Mississauga, ON

Aspiring Young Doctors Xavier • Booth Coordinator Sep 2014 – Jun 2015
- Raised awareness of various diseases, such as Ebola, heart disease, and stroke, by arranging events and booths Mississauga, ON

SKILLS

Proficient with: **Python** and **Java** Familiar with: **C**, **HTML/CSS/JS**, **Git**, and **LaTeX**