James Huynh

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🎓 Education

University of Toronto	Sep 2016 – Present
Honours Bachelor of Science, Computer Science	Toronto, ON

☉ Experience

Embedded Software Designer at **ExtentCom**	May – Aug 2018
	Richmond Hill, ON

- Developed command-line interfaces, scripts, and cryptosystems for wireless communication tools using **C** and **Perl**
- Tools include radios, power meters, switches, storage prototypes, etc.

⚑ Competitions

Educational Computing Organization of Ontario Contest	Apr 2015	2016
	Toronto, ON

- Placed **Top 3** among school board (DPCDSB) and advanced to regionals in both years with a team of 4 students
- Used **Python** and **Java** to solve 4 challenging problems within 3 hours
- Developed better communication skills by coordinating with the team

GameMaker Competition	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

💡 Projects

Steam Badge Aggregator	Jul 2018
	Toronto, ON

- Developed a webpage in **JS** and **Python** that collects prices of video games versus trading card prices distributed by Steam, a PC gaming platform

Interactive Treemap Visualizer	Nov – Dec 2016
	Toronto, ON

- Implemented a geometric tree visualisation algorithm using **Python**
- 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
	Mississauga, ON

- Designed a heap data structure with **Java** to prioritize patients based on their physical and mental conditions

👥 Volunteering

Hour of Code	Dec 2014	2015
	Mississauga, ON

- Moderated the annual coding event with introductory programming activities to raise students' interest in coding

</> Skills

Proficient with: **Python**, **Java, C**   Familiar with: **HTML/CSS**, **JS**, **Perl**, **PostgreSQL**, **Git**