

Cristian Poll

Education

2007-2013 Honours Bachelor of Science:
Computer Science Specialist
University of Toronto

Selected Highlights:

- **Networking, Parallelism and Concurrency:** Clustered 40 public lab computers using C sockets, used them to solve dynamic programming problems in parallel.
- **Web Development:** Developed several browser-based apps using PHP and Javascript, including an app in which multiple clients interact with the same canvas in real time using AJAX + MongoDB.
- **Network/Web Security:** Participated in the UCSB iCTF network security competitions, from 2010-2013; helped lead and organize the team, ran training sessions, and discovered exploits during the competition. Placed 6th out of 123 teams in 2013.
- **Networking Theory and Application:** Implemented TCP/IP and a proxy server in Python.
- **Data Structures, Algorithms, Theory of Computation,** studied from both theoretical and practical angles.

Projects

Aug 2013 – Oct 2013 **Skygoat : Cyberrun**
Independently Developed Game
<http://skygoatcyberrun.com>

- Designed and solely developed "Skygoat: Cyberrun," an Android and Web game developed with Unity3D/C#.
- Conducted user tests to evaluate usability and quality of experience; iterated and improved game based on feedback.
- Created website and promotional material, and handled community interaction.
- Supported game with updates and patches.

Skills

Skills in: Web Security, Network Sockets, Human-Computer Interaction (design and evaluation), Data Forensics, Unix, Technical Writing, Creative Writing.

Technologies: AJAX, jQuery, SQL, MongoDB, Unity3D, OpenGL/SDL, Git.

Languages: C#, Java, Python, Javascript, C, C++, PHP, HTML5 / CSS.

Contact

Mobile: 416 998 7655
Email: cpoll24@gmail.com

Employment

- Sept 2010 - Jan 2013 **University of Toronto**
Teaching Assistant for CSC108:
Introduction to Computer Science
- Jan 2011 - June 2013 **University of Toronto**
Teaching Assistant for CSC148 :
Introduction to Computer Progr.
- Instructed students in general programming concepts, data structures, algorithms, complexity, and advanced Python.
 - Delivered weekly lectures.
 - Guided students through hands-on lab exercises.
 - Assisted in administrative and marking duties.
 - Held office hours and assisted students in understanding concepts and completing coursework.