Christina Chung

Education

University of Toronto, Hon. B.Sc Computer Science Specialist, Math and Statistics Minor | 2013—2018

Research Assistantships

Undergraduate Researcher, Dynamic Graphics Project Lab, University of Toronto | Jan. 2017—pres

- Supervisors: Prof. Daniel Wigdor, Dr. Bruno Araujo
- Studying the impact of the quality of the virtual hand representation, i.e., it's fidelity to the real hand, on presence in virtual reality.

Project lead, Software Engineering Lab, University of Toronto | May 2015—pres

- Supervisors: Prof. Marsha Chechik, Prof. Julia Rubin
- Working with a team of students to develop a game that leverages human abilities to solve an NP-hard problem in software engineering.

Research Assistant, Stanford Literary Lab, Stanford University | June 2016—April. 2017

- Supervisor: Dr. Irena Yamboliev
- Analyzed a corpus of English novels to uncover patterns in color term use from the 19th century.

Project Lead, Princess Margaret Cancer Research Centre | May 2016—Jan. 2017

- Supervisors: Prof. Benjamin Haibe-Kains, Nehme El-Hachem
- Worked with a team of students to develop a web application for exploring drug networks.

Research Assistant, Social Perception & Cog. Lab, University of Toronto | Jan. 2015—Apr. 2015

- Supervisor: Dr. Konstantin Tshkay
- Ran social psychology experiments and wrote a face image alignment program in Python.

Teaching Experience

Teaching Assistant, University of Toronto | Sept. 2014—Apr. 2016

- CSC165 (Mathematical Expression & Reasoning): Fall 2014, Winter 2015.
- CSC263 (Data Structures & Analysis): Winter 2016.

Technical Experience

Software Engineer Intern, Modiface | May 2016—May 2017

- Developed a web application that enables users to virtually try on makeup products.

Web Developer, University of Toronto | June 2015—Oct. 2015

- Co-developed the Department of Computer Science Undergraduate Project Portal, a portal intended to match students with research positions at the University of Toronto.

Web Development Intern, ARTLOCAL APP | May 2015—July 2015

- Co-developed a web application for art galleries to advertise their exhibitions.

Publications

1. N. El-Hachem, D. Gendoo, L. Ghoraie, Z. Safikhani, P. Smirnov, C. Chung, K. Deng, A. Fang, E. Birkwood, C. Ho, R. Isserlin, G. Bader, A. Goldenberg, B. Haibe-Kains. Integrative pharmacogenomics to infer large-scale drug taxonomy. Cancer Research. 2017.
2. C. Chung, A. Matsuoka, Y. Yang, J. Rubin, M. Chechik. Serious Games for NP-hard Problems: Challenges and Insights. International Conference on Software Engineering Games and Software Engineering Workshop (GAS@ICSE). 2016.
3. C. Chung. N-way Model Merging Game. Review of Undergraduate Computer Science. 2015.

Talks

1. C. Chung, Y. Yang. A. Matsuoka, A. Kadan. MATCHMAKERS: Crowdsourcing Solutions to NP-hard Problems. MIT Undergraduate Research Technology Conference. 2016.

2. C. Chung, A. Matsuoka, Y. Yang, J. Rubin, M. Chechik. Serious Games for NP-hard Problems: Challenges and Insights. GAS@ICSE'16. 2016.

Service

External Reviewer, CHI (International Conference on Human Factors in Computing Systems) | 2017
Founder & President, TURCS (Toronto Undergraduate Research in Computer Science) | Apr. 2017—pres
President, Women in Computer Science | Apr. 2017–pres
Committee Member, CUCSC (Canadian Undergraduate Computer Science Conference) | Nov. 2016—pres
Vice-president, University of Toronto Web Development Club | Sept. 2016–pres
Vice-president of Operations, Women in Computer Science | Jan. 2017–p
Social Media Executive, Healthy Minds UofT | Nov. 2016–pres
Admissions Profile Evaluator, University of Toronto Trinity College | 2017

Awards

- NSERC Undergraduate Research Award (2017)
- Ken Sevcik Bursary in Computer Science (2017)
- Betty Jean Boultbee Bursary (2017)
- CRA-E Outstanding Undergraduate Researcher Honorable Mention (2016)
- University of Toronto Scholar (2016)
- ACM SIGSOFT Travel Award (2016)
- Trinity College Meeting Travel Award (2016)
- Provost's Travel Award (2016)
- Mossie Waddington Kirkwood Scholarship (2016)
- NSERC Undergraduate Research Award (2015)
- Trenwith Computer Science Award (2015)
- David Squires Scholarship (2015)
- Sodhexo Award (2015)
- Chancellor's Scholarship (2015)
- Outstanding Achievement in CSC148 (2014)
- President's Entrance Scholarship (2013)

Technical Expertise

- Proficient in web development (JavaScript, HTML, CSS/SASS, Node.js, Angular JS), Python, Java
- Work experience in iOS development, Three.js, Webgl
- Coursework in C, MATLAB, machine learning