

Education

PhD, Computer Science

Cornell University

Sep 06 – current

Ithaca, NY

- Advised by Rafael Pass.
- Supported by the **Graduate Research Fellowship** from NSF, **University Fellowship** from Cornell, and the **Julie Payette Research Scholarship** from NSERC¹.

BSc, Combined Honours Computer Science and Mathematics

University of British Columbia

Sep 02 – Apr 06

Vancouver, BC

- 97.7% degree average. Supported by a four year **Hugh M Brock Entrance Scholarship**.

Publications

Rafael Pass, **Wei-Lung Dustin Tseng** and Douglas Wikström. On the composition of public-coin zero-knowledge protocols. In CRYPTO, pages 160–176, 2009.

Omkant Pandey, Rafael Pass, Amit Sahai, **Wei-Lung Dustin Tseng** and Muthuramakrishnan Venkatasubramanian. Precise concurrent zero knowledge. In EUROCRYPT, pages 397–414, 2008.

Dexter Kozen and **Wei-Lung Dustin Tseng**. The Böhm-Jacopini theorem is false, propositionally. In MPC, pages 177–192, 2008.

Wei-Lung Dustin Tseng and David Kirkpatrick. Lower bounds on average-case delay for video-on-demand broadcast protocols. In SODA, pages 834–842, 2007.

C.C. Chiang, Y.C. Yang, W.C. Tzeng, **W.D. Tseng** and J.C. Hsieh. An SCP compatible 12-lead electrocardiogram database for signal transmission, storage, and analysis. In Computers in Cardiology, pages 621–624, 2004.

Experiences

Conference Reviewer

Cornell

May 07 – Aug 07

- Reviewed submissions to RSA'08, ICALP'08, STOC'08, TCC'09, CRYPTO'09 and ICS'10.

Software Engineering Intern

Google Seattle

May 07 – Aug 07

- Contributed to the Google advertisement infrastructure.

Extreme Blue Technical Intern

IBM, Toronto

May 06 – Aug 06

- Designed and implemented a scalable software provisioning system under IBM Tivoli.
- Prepared a business case presentation of the project to IBM executives.

¹Natural Sciences and Engineering Research Council, Canada

Undergraduate Thesis

Sep 05 – Apr 06

UBC

- Did research on the average-case behavior of video-on-demand broadcast protocols.
- Supervised by Dr. David Kirkpatrick.

Student Directed Seminar Director

Jan 06 – Apr 05

UBC

- Directed a seminar that focused on implementing and applying algorithms to complement theoretical courses.

Undergraduate Student Research Awards

Summer 04, 05

NSERC

- Summer research projects supported by NSERC Canada.
- Supervised by Dr. Phillip Loewen (2004) and Dr. Will Evans (2005)

Honors

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| 1 st place, Greater New York Region of the ACM International Collegiate Programming Contest | 2007 |
| Canadian Governor General's Academic Medal – Silver (UBC Science) | 2006 |
| UBC Wesbrook Scholar (most prestigious undergraduate designation) | 2006 |
| 13 th place, World Finals of the ACM International Collegiate Programming Contest | 2006 |
| 1 st place, Pacific Northwest Region of the ACM International Collegiate Programming Contest | 2007 |
| CRA ² Outstanding Undergraduate Award Honourable Mention | 2005 |
| 65 th Putnam Mathematics Competition Honourable Mention | 2004 |
| 34 th International Chemistry Olympiad – Silver Medal | 2002 |

Skills

Programming: C/C++, Java, Matlab

Languages: English and Chinese. Working knowledge of Taiwanese.

Activities and Interests

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| Cornell ACM Programming Contest team coach | 08 – 09 |
| Cornell Shotokan Karate Club executive | 07 – 09 |
| TopCoder member. On-site finalist in 2006 TopCoder Open | 04 – 09 |
| Vancouver School Board Gifted Enrichment Program mentor | 04 – 06 |
| UBC Commonwealth Chapter executive | 03 – 06 |
| Enjoy swimming, playing badminton, and playing the piano | |

²Computing Research Association