

HYUNSU CHO

Box 352350, 185 Stevens Way, Seattle, WA 98195, USA

chohyu01@cs.washington.edu • (206) 453-8718 • <http://homes.cs.washington.edu/~chohyu01/>

Education

Ph.D. in Computer Science and Engineering, University of Washington, Seattle, WA

- Sept. 2015 – Present
- Member of the [machine learning group](#)

B.S. in Computer Science and B.S. in Mathematics, Trinity College, Hartford, CT

- Sept. 2011 – May 2015

Experience

- **Research Assistant**, Department of Computer Science, Trinity College. 2012–2015.
Worked on several research projects in GPU computing.
- **Teaching Assistant**, Department of Computer Science, Trinity College. 2012–2015.
Duties included grading assignments, attending labs, and holding TA sessions.
- **Team Member**, Trinity College Programming Team. 2012–2015.
Participated in the ACM Intercollegiate Programming Contest. In 2012, our team placed third at the WNEC Preliminary and advanced to the Northeast North America Regional Final.
- **Software Developer**, Trinity College Robotics Study Team. 2013–2015.
Developed and managed software for our team’s self-navigating robot. In 2014, we earned the second place in the JAUS Challenge (wireless communication track) at Intelligent Ground Vehicle Competition (IGVC).

Peer-Reviewed Publications

- Lin Cheng, Hyunsu Cho, and Peter Yoon. “An Accelerated Procedure for Hypergraph Coarsening on the GPU,” *IEEE High Performance Extreme Computing Conference*, Waltham, MA, September 16, 2015.
- Hyunsu Cho and Peter Yoon. “A Memory-Efficient Algorithm for Large-Scale Symmetric Tridiagonal Eigenvalue Problem on Multi-GPU Systems,” *Proceedings of the 2014 International Conference on Parallel and Distributed Processing Techniques and Applications*, pp. 568-573, Las Vegas, NV, July 24, 2014.
- Lin Cheng, Hyunsu Cho, and Peter Yoon. “GPU Accelerated Vessel Segmentation Using Laplacian Eigenmaps,” *Proceedings of the IASTED International Conference on Parallel and Distributed Computing and Networks*, pp. 177-184, Innsbruck, Austria, February 17, 2014.
- Lin Cheng, Hyunsu Cho, Peter Yoon, and Jiajia Zhao. “An Efficient Out-of-Core Implementation of Block Cholesky Decomposition on a Multi-GPU System,” *Proceedings of the 24th IASTED International Conference on Parallel and Distributed Computing and Systems*, Las Vegas, NV, November 13, 2012. Best Paper Award.

Awards and Honors

- **Winner of Outstanding Undergraduate Researcher Award**, Computing Research Association, 2015.
- **Recipient of the Goldwater Scholarship**, The United States Congress, 2014.
- **Honorable Mention for the Goldwater Scholarship**, The United States Congress, 2013.
- **Best Paper Award**, The 24th IASTED International Conference on Parallel and Distributed Computing and System, Las Vegas, NV, November 13, 2012.
- **President’s Fellow**, Trinity College, 2014.
Presented to seniors who showed outstanding achievement in their respective majors; each academic department nominates one Fellow.