Jaesung Park

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EDUCATION

- Ph.D. candidate, University of North Carolina at Chapel Hill, September 2015 – Present
  - ◇ Advised by Dinesh Manocha.
  - ◇ Research interests: Robotics, Motion Planning, Machine Learning, Geometric Modeling
- B.S., Seoul National University, South Korea, March 2011 – February 2015
  - ◇ Computer Science major, Mathematics minor
  - ◇ GPA: 4.06/4.30 (cumulative), 4.22/4.30 (major)
  - ◇ Summa Cum Laude

RESEARCH

- **Jae Sung Park**, Chonhyon Park, Dinesh Manocha, *Intention-Aware Motion Planning Using Learning Based Human Motion Prediction*, Robotics: Science and Systems (RSS), 2017.
- **Jae Sung Park**, Chonhyon Park, Dinesh Manocha, *Efficient Probabilistic Collision Detection for Non-Convex Shapes*, IEEE International Conference on Robotics and Automation (ICRA), 2017.
- **Jae Sung Park**, Chonhyon Park, Dinesh Manocha, *Human Motion Prediction from Noisy Point Cloud Data for Human-Robot Interaction*, IEEE RO-MAN workshop on Communicating Intentions in Human-Robot Interaction, 2016.
- Chonhyon Park, **Jae Sung Park**, Dinesh Manocha, *Fast and Bounded Probabilistic Collision Detection for High-DOF Robots in Dynamic Environments*, To appear in Workshop on the Algorithmic Foundations of Robotics (WAFR), 2016.
- Chonhyon Park, **Jae Sung Park**, Steve Tonneau, Nicolas Mansard, Franck Multon, Julien Pettre, Dinesh Manocha, *Dynamically Balanced and Plausible Trajectory Planning for Human-Like Characters*, Proceedings of the 20th ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games. ACM, 2016.
- **Jaesung Park**, Minsub Shim, Seon-Young Park, Yunku Kang, Myung-Soo Kim, *Realistic deformation of 3D human blood vessels*, Computer Animation and Virtual Worlds 24.3-4 (2013): 317-325.
- Seon-Young Park, **Jaesung Park**, Minsub Shim, Yunku Kang, Myung-Soo Kim, *Sweep-based Compression and Deformation of 3D Blood Vessel Models*, HCI 2013 (2013): 11-14.

WORK EXPERIENCE

- Moloco, Software Engineer Intern, May – August 2017
  - ◇ Data analysis and data infra programming using Java and Google Cloud Platform
- Samsung Code Mentoring Instructor, May – July 2015
- International Olympiad in Informatics (IOI) Student Coach of the Korea team, 2014
- International Olympiad in Informatics (IOI) Training Camp in Korea, Coach and Problem Setter, 2010 – 2015
- Korea Olympiad in Informatics (KOI) Coach and Problem Setter, 2011, 2012 and 2015.

AWARDS

- ACM International Collegiate Programming Contest (ACM-ICPC)
  - ◇ World Finals 2015: 51st place
  - ◇ World Finals 2012: 36th place
  - ◇ Asia Daejeon Regional 2014: 1st place (Presidential Award)
  - ◇ Asia Daejeon Regional 2013: 5th place (Minister of Science, ICT and Future Planning Award)
  - ◇ Asia Daejeon Regional 2012: 3rd place (Minister of Administration and Security Award)
  - ◇ Asia Daejeon Regional 2011: 1st place (Minister of Administration and Security Award)
- Korea Computer Graphics Society Thesis Competition 2014: Excellence Prize
- Korean Mathematical Competition for University Students
  - ◇ 2013, 2014 Mathematics Major Division: Bronze Prize
- Undergraduate Research Program (URP) 2012: First Prize
- International Olympiad in Informatics (IOI)
  - ◇ 2009: Gold Medal
  - ◇ 2008: Silver Medal
- Asia Pacific Informatics Olympiad (APIO) 2009: Gold Medal (1st place)

SCHOLARSHIP/ASSISTANTSHIP

- Doctoral Merit Assistantship, University of North Carolina at Chapel Hill, 2015.
- National Science and Engineering Undergraduate Scholarship, South Korea, 2011-2014.