

# ROLLEN D'SOUZA

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## Publications

V. Joukov, R. D'Souza and D. Kulić, *Human pose estimation from imperfect sensor data via the Extended Kalman Filter*, International Symposium on Experimental Robotics, 2016. [Presented, In Print]

## Academic Work Experience

**Teaching Assistant** 2016/09—2016/12

Assisted students in the first year SE101 course. Managed a weekly 2-hour lab section and marked weekly quiz submissions as well as a final course project. Engaged with students through Piazza and office hours.

**Undergraduate Research Assistant** 2016/05—2016/08

Supervised by Prof. Dana Kulić.

**Undergraduate Research Assistant** 2015/01—2015/04

Implemented real-time inverse kinematics algorithm for human motion capture data. Supervised by Prof. Dana Kulić.

## Industry Work Experience

**Medical Software Developer Co-op** 2015/09—2015/12

*Sunnybrook Health Sciences Centre*

C++ Linux and Windows Application development.

**Software Development Engineer Co-op** 2014/05—2014/08

*Coalition Game Studio, Microsoft*

Created tools to support design and development workflows in video games. Wrote rendering shaders and created a background loader for the Unreal Game Engine. Contributed to *Gears of War 3: Ultimate Edition* and *Gears of War 4*.