

# Christopher L. Choi

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Website: <http://chutsu.github.io>

## RESEARCH INTERESTS

SLAM  
VIO  
Visual inertial sensor calibration  
Micro-aerial vehicles (MAVs)  
Genetic Programming (GP)

## EDUCATION

PhD Computer Science September 2018 — Present  
[Imperial College](#), London.

Advisor: Prof Stefan Leutenegger  
Concentration: SLAM, VIO, Multi-Sensor Calibration

MASc Mechanical Engineering September 2015 — August 2018  
[University of Waterloo](#), Canada.

Advisor: Prof Steven Waslander  
Concentration: Autonomous Systems  
Modules: Deep Learning, Autonomous Mobile Robotics, Fuzzy Logic

MSc Advanced Computer Science September 2011 — September 2012  
[University of St Andrews](#), Scotland

Concentration: Data mining, Software Engineering  
Modules: Advanced Software Engineering, Advanced A.I., Advanced Network and Distributed Systems, Software Architecture, Language Perception.

BSc Computational Physics September 2007 — June 2011  
[HeriotWatt University](#), Scotland

Concentration: Chaos Theory, Fast Fourier Transform  
Modules: Remote Sensing and Energy Studies, Applied Quantum Theory and Spectroscopy, Physical Mathematics.

## EXPERIENCE

Software Engineer Intern September 2014 — September 2015 (1 year)  
[Silicon Valley Internship Programme \(SVIP\)](#), San-Francisco, USA.

At [Cask Data](#) I implemented an Integration Testing Framework in Python. My second and current experience is at [LoopUp](#), a call conferencing company where I am creating a fraud notification system, the system is was implemented in Python and Flask.

Research Assistant September 2012 — May 2013 (9 months)  
[University of St Andrews](#), St-Andrews, Scotland.

Surveyed NoSQL databases such as MongoDB and CouchBase, and presented my work at the International Symposium on Grids and Clouds (ISGC) in Taipei, Taiwan.

Physics Summer Internship July 2009 — September 2009 (3 months)  
[HeriotWatt University](#), Edinburgh, Scotland

Created a ruby script that would allow researchers perform physics simulations across a number of Linux machines.

