

Heng Luo

ADD: APT107, 6015 Spirit St, Pittsburgh, PA, 15206

Email: luoheng0806@gmail.com **Phone:** (+1)-323-702-6113

EDUCATION

Carnegie Mellon University *Aug. 2016~ May 2018(expect)*

Entertainment Technology Center

Tsinghua University *Sep. 2012~ July 2016*

B.S. in Computer Science, Special Pilot CS Class founded by Professor Andrew Chi-Chih Yao.

Winter Camp in Melbourne University *Jan. &Feb. 2015*

Worked on a Project in bioinformatics and another in carbon emissions model.

ACADEMIC PROJECTS

Build Virtual world *Sep 2016-present*

Computer Vision based Auto-Land System of the Unmanned Aerial Vehicle (UAV)

Research Assistant *Advisor: Professor Linmi Tao* *Jul 2015-present*

One Step in Reality: How Streaming Theories Work with Hard Disk Systems

Big Data Project *Advisor: Periklis A. Papakonstantinou* *Oct. 2014-Jan. 2015*

Video stabilization algorithm for aerial photography *Oct.2014.-Jul.2015*

A Kernel of Input Method with Spell Checking *Oct.2014.-Jul.2015*

A Sudoku Puzzle on iPad *Sep.2013.-Jan.2014*

A Brightness adjust algorithm for time-lapse photography *Nov.2013.-Dec.2013*

INTERNSHIPS

Department of Physics, Tsinghua University Beijing, China *Mar.2015-Present*

➤ Built the website and database to help with the efficiency of daily work for a group whose interest is mostly about supernova

➤ Helped implement required functions and user interface of the system

Shanghai Ruimi Information and Technology, co., Ltd Beijing, China *Sep.2015-Present*

➤ Improved the algorithm in an vision based auto-landing system

HONORS & AWARDS

Gold Medal of 2012 Asian Physics Olympiad New Delhi, India *May.2012*

Gold Medal of 2013 World Physics Olympiad Jakarta, Indonesia *Jan.2013*

Tsinghua University Freshmen Scholarship Beijing, China *May.2013*

TECHNICAL SKILLS

C, C++, C#, Ruby, JAVA, JavaScript, Python, Html, Objective-C, swift