

Andy Tsang Chun Yin

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Education

- Sep 2014 – June 2016 **University of Birmingham - BSc. Computer Science Year 3**
Graduated with First Class result.
Relevant Modules:
Computer Vision, Natural Language Processing, Robotics, Machine Learning, Databases, Networking, Functional programming, Models of Computation
- Sep 2011 – Jun 2014 **Hong Kong Institute of Vocational Education**
Higher Diploma in Telecommunication and Networking. Cumulative mark average 80 (First Class).
- Apr 2011 **Hong Kong Advance Level Examination**

Computer Skills

- Programming Languages: Java, Python, Haskell, Visual Basic, Prolog
- Libraries: TensorFlow, Numpy, ROS, VTK, LWJGL, Android SDK, Leap Motion
- Web Languages: JavaScript, PHP, HTML, JSP, CSS
- Data Modeling: XML, JSON, MySQL
- Software / Tools: Octave, SVN, Trello, MS Office, VMWare, MATLAB, Corel Studio, Adobe Firework, Dreamweaver, Flash, Illustrator, Photoshop

Academic Achievements And Awards

- 2014 – 2016 Alistair Harvey Foundation Scholarship
Full scholarship for university study, offered base on outstanding result and contribute to the institute.
- 2012 – 2014 HKSAR Government Scholarship Award
Scholarship offered base on outstanding academic result, first place in course.
- 2012 – 2013 Outstanding Mentee Award
Awarded for outstanding performance throughout the year.
- 2012 – 2013 Gold Award for Volunteer Service
Awarded for participating in volunteer works for more than 200 hours.

Working Experience

- Sep 2013 – Aug 2014 **General Administrative Assistant in Dimension Data (Hong Kong)**
As a part-time worker, duty on handling, updating and maintain the system for every sales order and delivery. Coordinating the data between local office database (excel) and oversea database via an online system.

Jul 2013 – Aug 2013

Engineer Internship in Dimension Data (Hong Kong)

To maintain and update the online system for orders and delivery.
Modifying and implementing android applications for the company, duty on modifying android application and database structure, coordinate with the server side team.

Relevant Experience

Oct 2015 – Jun 2016

Leap Visualization System (Final Year Project)

Project using Java to development a tool, which can merge the Leap Motion controller with Visualization Tool Kit (VTK). User will be able to interact with bare hands rather than using mouse or keyboard, in addition, sending different comment by performing various gestures.

Oct 2015 – Dec 2015

Effective People-Searching Robot (published via TAROS 2016)

Project on Robot Operating System (ROS) using python, aim to implement different algorithms and models. Hence, allow a Mobile Robot to perform tasks such as exploring an open area, localization and recognizing people.

Jan 2015 – April 2015

Java Game Development (Team Project)

Project aim to practice team management, which requires to develop a cooperative game without using game engine. Lightweight Java Game Library was used, a real-time strategy game was developed.

Oct 2013 – Jun 2014

GPS based Tracking System (Final Year Project)

Project on multi-platform including Android and PHP, containing more than 15 functions for different level of users. In addition, as **group leader** practiced to leading and coordinate the group.

Jan 2013 – Jun 2013

Online Shopping System

Project in developing an online shopping system for customer, supplier and driver. As a group leader, responsible to handle various problem especially agreement during discussion.

Volunteering

2013 – 2014

IVELite – Mentorship Project

As a Mentor, leading and guiding more than ten mentees to complete several projects (e.g. organizing school basis activity)

2013 – 2014

The Salvation Army – Volunteer

Providing Service to different events (e.g. Orientation Day)

Interest

Travelling, Movies, Clarinet, Piano, Taekwondo, Badminton, Kayaking

References available on interest