

# Hung Cao

## Resumé

People in Motion Lab (Cisco Big Data Analytics)

University of New Brunswick

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## Education

- Feb 2018 **Diploma in University Teaching**, *University of New Brunswick*, Fredericton, Canada.
- May 2016 – Present **PhD in Geomatics Engineering**, *University of New Brunswick*, Fredericton, Canada, GPA: 4.0/4.3.
- Supervisor: Dr. Monica Wachowicz and Dr. Chiara Renso
  - Emphasis: Big Data Analytics, IoT, Edge Computing, Fog Computing, Cloud Computing
  - Tentative Thesis: Developing an analytics everywhere framework for the Internet of Things
- Sep 2014 – Nov 2015 **MSc in Computer Science**, *University College Dublin*, Dublin, Ireland, GPA: 3.83/4.2.
- Supervisor: Dr. NhienAn LeKhac
  - Emphasis: Machine Learning, Cloud Computing
  - Thesis: A new approach to process massive LiDAR data on the cloud computing environment
- Oct 2006 – May 2011 **BEng in Computer Engineering**, *University of Information Technology*, Vietnam, GPA: 7.51/10.
- Supervisor: Dr. Vu Duc-Lung

## Selected Honors, Awards and Qualifications

- **School of Graduate Studies Travel Award 2017** – University of New Brunswick.
- **Graduate Academic Assistantship 2016-2020** – Cisco/NSERC IRC.
- **UCD Research Scholarship 2014-2015** – University College Dublin.
- **Irish Aid IDEAS Scholarship 2014-2015** – Government of Ireland.
- **17 Qualifications** - Related to Big Data, Cloud, IoT, Cognitive, Deep Learning Course ([details](#))

## Publications

- **12 Publications** in top journals & proceedings related to IoT, Big Data, Fog, Edge Computing...

## Experience

### Research Experience

- May 2016 – Present **PhD Student**, *University of New Brunswick*.
- Main research topic: Big data analytics for the Internet of Things data streams (Funded by Cisco).
- Oct 2014 – Nov 2015 **Research Associate**, *University College Dublin*.
- Project: High performance computing for massive LiDAR Data processing.
- Jun 2011 – Aug 2014 **Researcher**, *University of Information Technology, VNU-HCM*.
- Project: Implementing a musical fountain controlling system based on the frequency analysis

### Industry Experience

- Dec 2017 – Present **Cloud Administrator**, *People in Motion Lab*.
- Managed and operated the cloud infrastructure systems provided by Compute Canada.
- Oct 2010 – Mar 2011 **Embedded System Developer**, *CanhViet Co, Ltd.*.
- Built smart, embedded systems and automatically musical fountain controlling system.
- Jan 2008 – Jan 2009 **Senior Member**, *CERobo Team of UIT*.
- Senior member of the team representing for UIT took part in Vietnam Robot Contest 2008.

### Teaching Experience

- 2011 – 2017 Involved many teaching activities at UIT and UNB - (Please visit [my website](#) for details)

## Technical skills

Languages	Python, Scala, R, Java, C/C++, C#, Linux shell scripts, Java Scripts, HTML, PHP, .NET, XAML
Database	SQL, MySQL, NoSQL (Neo4j, MongoDB, RethinkDB, HBase), Hive, DBaaS
OS	Linux, Windows Server, Windows, Windows Phone, Android, Mac OS, iOS, Embedded Systems
IDE	Netbeans, Eclipse, Microsoft Visual Studio, SQL Server, Management Studio, SVN
Other	GitHub, ArcGIS, Hadoop, Spark, Flink, Samza, Kafka, MapReduce, MXNet, Compiler, Latex

(References available upon request.)