

# ANDY NGUYEN



PhD Researcher

BCom(Hons), BBIM



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With Andy Nguyen's strong academic research and technical experience, he is seeking opportunities in academics or analytics industry. He emphasizes in-depth research knowledge he obtained throughout his PhD in Information Systems at the University of Auckland, New Zealand. His research has been published in ABDC A-ranked journals and ERA A-ranked conferences. More about Andy at <http://andynguyen.co.nz>

## ACADEMIC EXPERIENCE

03/2017 - Present

Auckland  
New Zealand

### Graduate Teaching Assistant (GTA)

The University of Auckland

- Tutoring and marking for:
  - INFOMGMT392: **Data Visualisation**
  - INFOSYS321: **Enterprise Systems**
- Constructing lab materials and facilitating lab sessions for teaching **Tableau skills** in Data Visualisation course.

03/2016 – Present

Auckland  
New Zealand

### Postgraduate Marker

The Mind Lab

- Mark student assessments as requested by the Postgraduate Directors & Postgrad team

11/2015 – 11/2016

Auckland  
New Zealand

### Research Assistant (RA)

The University of Auckland

03/2014 – 07/2014

Auckland  
New Zealand

### Teaching Assistant (TA)

The University of Auckland

- Online tutoring for INFOMGT392 Semester 1 2014; Responsible for teaching e-CV.
- Applied new technologies such as text-to-speech.
- Good feedbacks from students.

## INDUSTRIAL EXPERIENCE

03/2016 - Present

Auckland New  
Zealand

### Freelance Consultant

- Development Projects for:
  - **Salesforce** platform
  - Business **data analytics**

11/2013 – 02/2015

Auckland New  
Zealand

### Business Analyst

3i Innovation

- Analysed current business processes.
- Designed & Built CRM system on Salesforce Platform.
- Designed & Developed applicable websites with CMS.

11/2012 – 12/2012

Ho Chi Minh  
Vietnam

### IT Technical Assistant

Vietnam Logistics Institute (VLI)

12/2012 – 01/2013

Ho Chi Minh  
Vietnam

### ERP Project Trainee

PNJ

11/2011 – 01/2012

Ho Chi Minh  
Vietnam

### Financial Trainee

HLHV JOCS

## PUBLICATIONS

### JOURNAL PAPERS

- Nguyen, A., Gardner, L. A., & Sheridan, D. (2018). A framework for applying learning analytics in serious games for people with intellectual disabilities. *British Journal of Educational Technology*, 49(4), 673-689. <https://doi.org/10.1111/bjet.12625>
- Nguyen, A., Gardner, L. A., & Sheridan, D. (In Revision). A Systematic Review of Data Analytics in Higher Education: An Integrated and Holistic View. *Journal of Information Systems Education*.

### CONFERENCE PAPERS

- Nguyen, A., Gardner, L., & Sheridan, D. (2019). Towards Ontology-based Design Science Research for knowledge accumulation and evolution. In *Hawaii International Conference on System Sciences (HICSS)*.
- Nguyen, A., Gardner, L., & Sheridan, D. (2018). Building an ontology of learning analytics. In *Pacific Asia conference on information systems (PACIS)*. Retrieved from <http://aisel.aisnet.org/pacis2018>
- Nguyen, A., Gardner, L., & Sheridan, D. (2018). Learning Analytics in Higher Education - Improving Teaching and Learning by Data Analytics. Presented at *New Zealand Information Systems Doctoral Consortium (NZISDC) 2018*. Auckland, New Zealand.
- Nguyen, A., Gardner, L., & Sheridan, D. (2017). A multi-layered taxonomy of learning analytics applications. In *Pacific Asia conference on information systems (PACIS)*. Retrieved from <http://aisel.aisnet.org/pacis2017>
- Gardner, L. G., Nguyen, A. N., & Sheridan, D. S. (2016). Curriculum mapping: An automated solution. In *Proceedings of EdMedia: World Conference on Educational Media and Technology 2016*, 319-324. Vancouver, Canada. Retrieved from <https://www.learnlib.org/p/172970/>
- Nguyen, A. N., & Sheridan, D. S. (2016). Curriculum mapping: An automated solution. In *Proceedings of EdMedia: World Conference on Educational Media and Technology 2016*, 319-324. Vancouver, Canada. Retrieved from <https://www.learnlib.org/p/172970/>
- Nguyen, A., Gardner, L., & Sheridan, D. (2016). A Conceptual Model of Intelligent Learning System Towards the Future of Educational Ecosystems. Presented at *Workshop on Information Technologies and Systems (WITS) 2016*, Dublin, Ireland.

## EDUCATION

03/2016 - Present

Auckland,  
New Zealand

### PhD Researcher

The University of Auckland

- Achieved **Doctoral Scholarship** offered by the University of Auckland.
- **Research topic:** Learning Analytics in Higher Education – Improving Teaching and Learning by Data Analytics.
- **Research interests:** Design science research; Educational technology; Data analytics; Learning Analytics.
- Research has been published in A-ranked journals and conferences.

02/2015 – 02/2016

Auckland,  
New Zealand

### Bcom(Hons)

The University of Auckland

- Specialised in **Information System**.
- **First Class Honour** with **8.0/9.0** Grade Point Average (**GPA**).
- **Research area:** Eye-tracking technology
- **Dissertation title:** Eye-tracking: A Cost-Effective Workstation for Usability Studies.
- Research presented at an academic conference.

02/2011 – 11/2013

Auckland,  
New Zealand

### Bachelor of Business and Information Management (BBIM)

The University of Auckland

- Specialised in **Information Management** and **Accounting**.
- Achieved **Honour Rolls** (digital certificates are available) for: *Data Mining and Decision Support*; *Database Applications*; *Introduction to Web Development*

06/2009 – 11/2010

Auckland,  
New Zealand

### Cambridge Assessment International Education (CIE)

ACG Parnell College

- A-level: Maths (A) Physics (A) Chemistry (B)
- GCSEs: Maths (A) Physics (A) Chemistry (A)

## ACTIVITIES AND INTERESTS

### Founder and Former President

Vietnamese Auckland University Students' Association (VAUSA)

### Sports

- Achieved Black belt in Shotokan Karate
- Play team sports: soccer and basketball

### Other Interests

- Travel: love to visit different places and enjoy experiencing different cultures;
- Approach to new technologies: apply high-tech in daily life.

## TECHNICAL SKILLS

### Data Analysis

- Quantitative Analysis: SPSS, Python
- Qualitative Analysis: Leximancer, Nvivo

### Data Analytics & Data Visualisation

- Tableau, Power BI
- Big Data frameworks: Hadoop, Apache Spark

### Enterprise Systems

- Salesforce
- SAP ERP
- Odoo ERP

### Design and Development

- Business systems
- Learning Systems
- Website development
- Database applications
- System documentation methods

### Ontology Engineering

- Protégé
- Fluent Editor

## REFERENCES

### Don Sheridan, PhD, CITP

Associate Professor (Hon), ISOM  
University of Auckland Business School  
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Mobile: +642 1590959 or 021 590959  
Email: [d.sheridan@auckland.ac.nz](mailto:d.sheridan@auckland.ac.nz)

### Lesley Ann Gardner, PhD, MSc (ADMIS)

Associate Professor, ISOM  
University of Auckland Business School  
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Email: [l.gardner@auckland.ac.nz](mailto:l.gardner@auckland.ac.nz)

*"I have no special talents. I am only passionately curious."*

-- Albert Einstein