



# Adelina Ho, PhD\*

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## ENGINEERING SKILLS

- Society of Actuaries (SOA) Exams on probabilistic, statistical and stochastic models applied in insurance: P, FM, MFE, C, FAP 1-3, and all FSA Life modules;
- Database: MS SQL Server, MySQL;
- Extensive knowledge of computer systems and information technology systems;
- Analyze, improve and upgrade the computer systems;
- Agile (software) management;
- Experience in AWS, Azure, Linux, Windows.

## SCIENCE

- **Referred science journal papers:** 8 high ranked international publications  
<https://scholar.google.com/citations?user=2e3R4bkAAAAJ&hl=vi&oi=ao>
- **Textbook** H.T. Quyen, Basic Information Technology Systems, (2008) University of Architecture HCMC textbook.

## WORK HISTORY AND EXPERIENCE

### **Founder**

**03/2023 - current**

**TAHK Foundation** - Anaheim, CA, United States

- Fundraise for charity and distribute donations for charitable purposes and education; provide financial resources, support and mentorship to individuals and communities in need.

### **Computer Systems Analyst - QT-Data Inc.**

**2017-2022**

**Da Nang & Saskatchewan & British Columbia**

- Advice managers to determine the role of information technology systems in an organization.
- Devise methods to add functionality to existing computer systems.
- Mastermind and design systems that will help support organizational goals
- Work with team members to build and implement IT systems for the the organization
- Identify bugs and inefficiencies within existing systems and develop patches and fixes
- Maintaining computers, printers and servers as well as operating systems and software applications.
- Ensure that all systems and programs are carefully documented
- Participate in meetings and walkthroughs to analyze problems.

**Product Manager - Rodoland****2011-2017**

- Developing & managing information technology products with statistical models on house pricing based on its specific characteristics like place, square, number of bedrooms and utilities.

**Researcher and Lecturer - Ho Chi Minh University of Architecture****2005-2017**

- Chair of the Computer Systems curriculum committee.
- Teaching courses of Basic Computer Systems, Basis Drawing Information Technology Systems, Calculus and Statistics.

**Lecturer Institute of American Education & Broward College****2009-2014**

- Teaching courses of Basic Statistics, Quantitative Methods of Business, and Business Information Technology Systems.
- Chair of Business Mathematics & Business Information Technology Systems curriculum committees.

**EDUCATION**

- **PhD\*, Doctor of Philosophy** (finished dissertation 2014, missing defense procedure) in *Computational & Applied Optimization*. Thesis: *New Approach of Computational Optimization via Cone Differentiation*
- **Master of Science** in *Optimization*, March 2009 from Vietnam National University - HCMC. Thesis: *Non-smooth optimization*.
- **Bachelor of Science** in *Mathematics and Computer Sciences with a major in Information Technology Systems*, September 2003 from University of Science, Vietnam National University- HCMC. Thesis: *Grid Computing on Red Hat Linux environments*.

**RESEARCH Optimization, Computer Systems, Information Technology Systems, Financial Engineering, Machine Learning****REVIEWER** Optimization Letter, European Journal of Operations Research**HONORS**

- ✓ **Best-qualified Master thesis** in Optimization of Mathematics and Computer Science Department at the University of Science VNU HCM 2009.
- ✓ Vietnam Education Foundation (VEF), and the **U.S. National Science Foundation (NSF)** Scholarship (for participating in *Digital Signal Processing Summer School* 2008)
- ✓ **Excellent student** scholarship in 2002.
- ✓ **Gifted program** student honor of Mathematics and Computer Science Department at the University of Science VNU HCM in 1999-2001.

**HOBBIES** cooking & reading