

Let's interact enjoying USD \$900+ Trillion Options Leadership and be the first to operate volunteers for happily farming on Mars and successfully building there the most touristy and livable SunBlackHole city.



Henry Universes, PhD, CFA, CAIA, PRM, ERP

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20+ years of success in chair and executive up to \$600+ billion

ENGINEERING SKILLS

- Computer systems, information technology systems and digital transformation.
- Data analytics with fundamental, statistical, stochastic models and AI/machine learning.
- Pricing and valuation for actuarial and financial products.
- Semiconductor: VHDL/Verilog to physic test.
- Database: MS SQL, MySQL, HDFS, Hive, Impala, CUDA, Spark, TensorFlow.
- Statistics software: R, Eviews, SAS, SPSS.

CERTIFICATIONS

- Japan Information-Technology Engineer Skill Standards.
- Chartered Financial Analyst (CFA).
- Chartered Alternative Investment Analyst (CAIA).
- Professional Risk Managers' International Association (PRM).
- Energy Risk Professional (ERP).
- Society of Actuaries (SOA): Exam P, FM, MFE, C, VEE and FSA Life modules.
- Casualty Actuarial Society (CAS): Exam ST.
- Experience in Cloudera, AWS, Azure.

WORKING EXPERIENCE

Founder

TAHK Foundation

03/2023 - Current
Global

CA, United States - BC & ON, Canada - Mexico City, Mexico - HoChiMinh, Vietnam - Beijing, China - London, United Kingdom - Mumbai, India - Sydney, Australia - Jakarta, Indonesia.

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

- Universal interacting & Media solutions: target funding of USD \$100+ billion in the next 3 years.

- TAHK Interacting AI: True - Beyond - Deep connecting disruptive Platforms.

Advisor to Chief Executive Officer

ITSJ-Group

01/2023 - Current
CA, United States

- Funding & buyout with compound option leadership: raising \$100 million in 2023 & USD \$10+ billion in the next 3 years.

- Provide high quality insight and advice to the CEO on a wide range of matters including strategic, organizational issues and digital transformation to successful deals with critical interactions as they arise.

- A globally trusted supply chain and manufacturer of semiconductor hardware/software excellent solutions.

Chair of Membership

CFA Society Saskatchewan

07/2017 - 07/2023
Canada

- Managing the society's growth and retention of members and volunteers.

Founder

QT-Group

07/1999 - Current
Global

CA, United States - BC & ON, Canada - Mexico City, Mexico - HoChiMinh, Vietnam - Shanghai, China - London, United Kingdom - Mumbai, India - Sydney, Australia - Jakarta, Indonesia.

- Realizing USD \$100+ billion value of qT-group, #1 Financial Capital Services.
- KT compound option exchange: Funding-Buyout services with Compound options, \$1 billion USD annual subscription fee for a basic account.
- Cross-border direct services: blockchains/distributed ledger technology and software solutions, ML/AI analytics services with 12000+ engineers.
- Option trading services: Gold, ClimateChange, Bitcoin, Ethereum, Metaverse, Cannabis, Game, Beauty, Hospitality, Entertainment, Space Technology.
- KATH coin & Infinite bank: Business scaling with luxury options & Sustaining Financial Systems.
- Bot SAM: Brain of brains & Leader of leaders with compound-option-driven.

**Chief Data Scientist
Tenpoint7**

**02/2016 - 01/2017
HoChiMinh, Vietnam - WA, United States**

- Going agile for information technology systems and evolutionary digitization to suit the needs of customers.
- Accelerating client business via data-driven insights with both scientific and practical AIs: modernizing USD \$5 Trillion hospitality industry.
- *Leading* both data scientists and engineers for R&D projects on Spark and TensorFlow in price optimization and fraud detection.

**Co-founder & Head of Quantitative and Computational Finance Lab
John von Neumann Institute**

**07/2010 - 01/2017
HoChiMinh, Vietnam**

- *Chief Technical Officer* for industrial projects on Cloudera/Azure/AWS: human resource with Vsource, supply chain with Vingroup, Basel with BIDV, margin management with HSC, marketing demographic with BlueSeed, fraud detection with VGN Game; on revolutionary digitalization with FrieslandCampina, University Medical Center HCMC and HNX Exchange: android/iOS app-based retail analysis to AWS based data lake integration.
- *Data-driven Business Development Chair* for products following the requirements of clients: bank, insurance, investment, stock/option exchange, marketing and information technology industries.
- *Managing* 500+ PhD, PhD student and master student researchers working on industrial contracts and R&D financial projects with *entrepreneurial* spirit.
- *Achievement*: Increasing the number of researchers from 5 to 500+ in two years.

**Visiting Researcher
Buskerud and Vestfold University College**

**09/2014 - 9/2015
Vestfold, Norway**

- Attacking Northern Europe health technology USD \$10+ billion market.
- Calibrating ultrasound data by MLE for building up a numerical simulation tool with a graphical interface in MATLAB that can model and optimize the performance of transducers in health products.

**Head of Quantitative Investment
Dragon Capital VietFund Management**

**10/2009 - 01/2014
HoChiMinh, Vietnam**

- Lead both innovative research department and engineering department for quantitative, statistical and machine learning methods for analyzing Vietnam security data to build innovative trading strategies adjusted by risk acceptant level for managing USD \$1+ billion.
- Designing new information technology systems that can be applied to the specific needs of the organization.
- *Achievement*: Creating the first quantitative product and ETF product in the local market: VFMVFA, E1VFN30; raising USD \$200+ million.

**Professor
TDTU & Broward College & Troy College & HCMUS**

**07/2004 - 12/2012
HoChiMinh, Vietnam - CA, United States**

- *Teaching* undergraduate courses in Monetary and Financial Theory and Quantitative Finance. Supervising undergraduate theses and conducting research in applied mathematics and computer sciences.
- *Chair* of mathematics curriculum, teaching business statistics, financial statistics and applied linear algebra.
- *Leading* 120+ researchers on Information Science & Applied Mathematics.
- *Chair* of mathematics curriculum for exchange programs with Saxion University in the Netherlands and teaching undergraduate courses: Numerical Analysis, Software Engineering and Statistics.

**Team leader
Silicon Design Solutions**

**12/2002 - 06/2004
HoChiMinh, Vietnam - CA, United States**

- *Leading* 10+ engineers for upgrading memory compiler software, automatically generating test patterns for Texas

Instrument library, design projects using VHDL/Verilog, and layout to physical tests.

VOLUNTEER EXPERIENCE

2018 - current **Data Ambassador, *Data for Good***
2017 - 2023 **Member of Board of Directors, *CFA Society Saskatchewan***
2015 - 2016 **Grader and mentor, *CFA Institute***

EDUCATION

2010 - 2010 **Postdoctoral researcher: *Machine learning methods in finance***
 Japan Advanced Institute of Science and Technology (JAIST) - Kanazawa, Japan
2007 - 2009 **PhD: *Robustness of dynamical systems***
 Vietnam National University – HoChiMinh, Vietnam
2005 - 2008 **Master of Computer Science: *Sparse principal component analysis***
2004 - 2007 **Master of Mathematical Science: *Analysis***
1999 - 2003 **Bachelor of Science: *Mathematics and Computing Science***

RESEARCH

5+ international and national research projects: Principal & member.
30+ publications in control optimization, machine learning and financial engineering.
https://scholar.google.com.vn/citations?hl=en&view_op=list_works&gmla=AJsN-F4KI2rAioqUCSzATsXktjuW8wYchQJ4s-gaxPNGRBjBs2GXCzXiluYG6cPY6lwrIzKeVwjht_XzVEhiYkH0tapiHUCQ&user=FtCo0vcAAAAJ

LANGUAGES

English: Fluent. **Norwegian:** Limited Basic. **Vietnamese:** Fluent.

HONORS

- Visiting fellowship of Japan Advanced Institute of Science and Technology 2010.
- IEEE Seoul Section & Japan Council Scholarship 2009.
- Best Student - Paper Award of IEEE Vietnam Section in Computer Science 2008.
- Vietnam Education Foundation (VEF), and the U.S. National Science Foundation (NSF) Scholarship (for participating in Digital Signal Processing Summer School/Seminar 2008).
- Third honor of National Mathematics Competition 1999.
- Bronze medal in South Vietnam's Mathematics Olympic 1998.

HOBBIES football, sepak takraw, table tennis, tennis, badminton and Taekwondo; guitar and bamboo flute.