

**WEI-HAN HUANG**  
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## EDUCATION

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**NEW YORK UNIVERSITY** New York, NY

**The Courant Institute of Mathematical Sciences**

**MS in Mathematics in Finance** (expected – January 2019)

- Future Coursework: Mean-variance optimization, Black-Scholes formula and applications to stochastic processes, Quantitative portfolio theory, Monte Carlo and finite difference methods, dynamic asset pricing model

**UNIVERSITY OF DENVER** Denver, CO

**BS in Physics, BS in Mathematics with Analysis Distinction** (2015-2018)

- Coursework: Macroeconomics, topology, analytical mechanics, quantum physics, thermal physics
- Early graduation with Honor, Math Department Award, Physics Outstanding Senior Award, Dean's Scholarship

**LEYSIN AMERICAN SCHOOL IN SWITZERLAND** Leysin, Switzerland

**International Baccalaureate Diploma** (2012-2015)

- Boarding schools with students from 60+ nationalities, developed independency and worldview

## EXPERIENCE

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**LEYSIN AMERICAN SCHOOL IN SWITZERLAND** Leysin, Switzerland

*Summer Teacher & Counselor* (2019)

- Designed and taught science courses, enhanced organization, leadership, and communication skills

**MASON INVESTMENTS CO. LTD.** Taipei, Taiwan

*Assistant Risk Analyst* (2019)

- A Hong Kong based investment company, the team managed a USD1.3 billion fund
- Computed Greeks in Black-scholes model, Monte Carlo and fixed income pricing with Excel VBA to develop hedging strategy for HIS and S&P 500 options trading

**REPUBLIC OF CHINA ARMY** Matsu Island, Taiwan

*Matsu Defense Command, Private* (2018-2019)

- Volunteered Deployment: Cadre Training Class, enforced leadership, discipline, time management, teamwork, and dependability
- 86 Privates in the whole country were selected, received Combat Readiness Training on a Taiwanese island territory that is the closest to Mainland China

**SOTRACOM AIR TRANSIT PARIS** Paris, France

*Assistant of Import/Export Analyst* (2016)

- Logistics cost profit analysis, arranged airlines and forwarders, executed airport customs operation

## PROJECTS

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**UNIVERSITY OF DENVER** Denver, CO

*Chaotic Circuits*

- Implemented Fast Fourier Transform as digital processing to convert between analog/digital signal
- Read voltages in and out of the computer for fast-time-critical waveform data acquisition
- Combine Chua's diode and the gyrator into Chua's circuit and observe its chaotic behavior, modeled using three non-linear ODEs

## COMPUTER SKILLS/OTHER

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**Programming Languages:** Java, Python, R, Visual Basic

**Other Software:** Mathematica, LabVIEW, PASCO Capstone, LaTeX, Microsoft Office

**Languages:** Mandarin (Native), English (fluent)

