

# Amin Kazemi

## Curriculum Vitae

Tehranpars

Tehran, Iran

☎ (+98) 938 2018 000

✉ kzm.amn@gmail.com

🌐 <http://aminkazemi.ir>

📅 Date of Birth: 7 Nov 1989



### Seeking a PhD Placement

#### Education

**M.Sc. Financial Mathematics**, September 2014–January 2017.

Department of Mathematics, *Kharazmi University*, Tehran, Iran

Thesis Title: "*Calibration of stochastic differential equations with application in finance*"

Supervisor: Dr. M. A. Jafari

GPA: 3.91 of 4

**B.Sc. Pure Mathematics**, September 2008–January 2014.

Department of Mathematics, *K.N.Toosi University of Technology*, Tehran, Iran

Project Title: "*Polynomial interpolation of two variables*"

Supervisor: Dr. A. Aminataei

**Diploma Science and Mathematics**, September 2004–June 2008.

*22 Bahman High School*, Tehran, Iran

#### Language Skills

English Preparing for the TOEFL exam

Persian Native Speaker

Turkish Mother Tongue

Germany Elementary

#### Research Interests

Risk Management

Options Pricing

Stochastic Differential Equations

Data Science

#### Relevant Online Courses

- **Portfolio and Risk Management**, *University of Geneva*, (Coursera).

Certificate: <https://coursera.org/verify/TLXL7U9ZYHHX>

- **Microeconomics: The Power of Markets**, *University of Pennsylvania*, (Coursera).

Certificate: <https://coursera.org/verify/3PS2Q2BNS7WQ>

- **Practical Time Series Analysis**, *The State University of New York*, (Coursera).

Certificate: <https://coursera.org/verify/L8PAK4GSXRXX>

- **Introduction to Data Science in Python**, *University of Michigan*, (Coursera).

Certificate: <https://coursera.org/verify/F6UXU4MPXF8P>

- **Introduction to Programming with MATLAB**, *Vanderbilt University*, (Coursera).

Certificate: <https://coursera.org/verify/KF33YE6TZ32K>

• **Intrest Rate Models**, *École Polytechnique Fédérale de Lausanne*, (Coursera).

**Certificate:** In Progress

• **Financial Modeling**, *HSE University*, (Coursera).

**Certificate:** In Progress

---

## Research Experience

**2018–2020 Military Services Project**, *Ministry of Defence and Armed Forces Logistics of Iran*.

Project Title: "Review on mathematical modeling of argumentation for persuasion"

Supervisor: S. Mahmoudi

**2017–2020 Military Services Project**, *Ministry of Defence and Armed Forces Logistics of Iran*.

Project Title: "The effects of cognitive bias in economics decisions making"

Supervisor: Dr. M. Oftadeh hal

---

## Job Experiences

**2015– Present Stock Trading.**

Tehran Stock Exchange Market

**2010– Present Web Designing.**

Work as Freelancer

**2018–2020 Military Services.**

Ministry of Defence and Armed Forces Logistics of Iran

**2016–2017 Math Expert.**

Gostaresh Oloum Publications (Kgoo)

**2009–2010 Software Expert.**

Academic Center for Education, K.N.Toosi University of Technology

---

## Teaching Experiences

**2013(Fall) Web Designing.**

University of Tehran

**2012(Spring) Web Designing.**

University of Applied Science

---

## Computer Skills

**Basic** Spss, MQL5

**Intermediate** Python, C/C++, R, Mathematica, Matlab,  $\LaTeX$ , Microsoft Office

**Advanced** Web Designing (Php/Html/Css/Js)

---

## Certificates

**2021 Python for Data Science & Machine Learning from A-Z**, (Udemy).

**Certificate:** <https://ude.my/UC-3bd95029-c8ae-48d1-806b-7531a3719753>

**2021 R Programming Track**, (Datacamp).

**Certificate:** <https://bit.ly/3xRoj8g>

**2021 Python Fundamentals Track**, (Datacamp).

**Certificate:** <https://bit.ly/3BbbfMU>

**2020 Data Mining**, (Maktabkhooneh).

**Certificate:** <https://bit.ly/3rf4BjY>

---

## Volunteer Experience

- 2019 • **Designing of Rss Financial News Aggregator Website in Persian Language.**  
URL: [Http://Finanze.ir](http://Finanze.ir)
- 2018 • **Developing of Options Pricing Website in Persian Language (by Using Black-Scholes Method).**  
URL: [Http://Optionspricing.ir](http://Optionspricing.ir)
- 2015 • **Designing of Financial Mathematics Website in Persian Language.**  
URL: [Https://Financialmath.ir](https://Financialmath.ir)

---

## Publications

- **A. Kazemi, M. A. Jafari, Z. Azizi**, "*Review on Approximation of Probability Density Function of CIR Process by Using Hermite Polynomial Expansion*", 5th Seminar of Mathematics and Humanities Mathematical Finance, Allameh Tabataba'i University (ATU), Tehran, Iran, 2018.
- **Z. Azizi, F. Azizzadeh, A. Kazemi**, "*The Impact of Basic Asset Price Model on Credit Risk Management*", 5th Seminar of Mathematics and Humanities Mathematical Finance, Allameh Tabataba'i University (ATU), Tehran, Iran, 2018.
- **A. Kazemi, M. A. Jafari, M. Mousavi**, "*Parameter Estimation of Reflected Ornstein Uhlenbeck Process by Using Maximum Likelihood Method*", 4th Seminar of Mathematics and Humanities Mathematical Finance, Allameh Tabataba'i University (ATU), Tehran, Iran, 2016.
- **A. Kazemi, M. A. Jafari**, "*Calibration of Black-Scholes Model*", 1st International Congress of Mathematics, Isfahan University, Isfahan, Iran, 2016.

---

## Hobbies

**Programming, Blogging, Playing Soccer and ...**