

# Partial Resumeh

## PROFESSIONAL SUMMARY

Professional educator with broad expertise in higher education and commitment to fostering academic excellence. Proven ability to drive curriculum development, conduct impactful research, and mentor students and colleagues. Strong focus on collaboration, adaptability, and achieving educational goals. Skilled in integrating technology in teaching, developing innovative learning strategies, and promoting inclusive learning environment.

Experienced with curriculum development, research, and student mentorship. Utilizes innovative teaching methods to foster student engagement and academic success. Track record of contributing to academic publications and collaborative projects.

## ACCOMPLISHMENTS

- Was the supervisor of the MSc. thesis of 62 Students at Sheikh Bahaei University or Isfahan University of Technology /Isfahan/Iran.
- Was the advisor of the MSc. thesis of 45 Students at Sheikh Bahaei University or Isfahan University of Technology /Isfahan/Iran.
- Was the external examiner of the MSc. thesis of 40 Students at Sheikh Bahaei University or Isfahan University of Technology /Isfahan/Iran.
- Was the internal examiner of the MSc. thesis of 33 Students at Sheikh Bahaei University or Isfahan University of Technology /Isfahan/Iran.
- Was the external examiner of the PhD. thesis of 8 of Students at Shiraz University/Shiraz/Iran or Isfahan University of Technology /Isfahan/Iran.
- Was the representative of the Faculty of Graduate Studies of Isfahan University of Technology in the PhD. Thesis Defence Committee of five different students in five different disciplines.
- Was one of the referees of three mathematical analysis books and one functional analysis book published in Persian.
- Have been the private mathematics teacher of a variety of primary, secondary, high school, and university students, in Iran and abroad, since 1974. This is because I love mathematics and I enjoy teaching it to whoever needs (likes) to learn mathematics.
- Was one of the members of the Executive Committee of several conferences and seminars that were held in Iran.

## HIGHLIGHTS

- Supervised team of 40 Graduate Students to develop a highly professional Math Learning Center at Isfahan University of Technology.
- Supervised team of 43 Graduate students to establish a professional Mathematical Modelling Lab at Isfahan University of Tecgnology.
- Was one of the members of the Scientific Committee of several conferences and seminars that were held in Iran.
- Have been one of the mathematics test designers of undergraduate and graduate record examination for Iranian Universities since 1998.

- All versions of Algebra and Calculus
- Mathematical and Complex Analysis
- Linear Algebra & Functional Analysis
- Integration and Measure Theory
- Expertise in subject matter
- Online instruction
- Financial Mathematics
- Mathematical Modeling
- Mathematical Software Proficiency
- Student engagement
- Mentoring
- Innovative teaching methods

## WORK HISTORY

### RETIRED UNIVERSITY PROFESSOR

08/2025 to CURRENT

#### Jahan Math Learning Center | Port Coquitlam, BC

- Developed and implemented innovative curriculum enhancing student engagement and learning outcomes.
- Mentored junior faculty, fostering professional growth and improving teaching methodologies.
- Delivered lectures incorporating current research trends, stimulating critical thinking among students.
- Advised graduate students on research projects, guiding them towards successful thesis completion and publication efforts.
- Enhanced student comprehension by incorporating real-world examples and case studies into lectures.
- Supervised graduate students in their research projects, providing guidance and mentorship for successful completion of thesis work.
- Developed innovative teaching methods to adapt to diverse learning styles, resulting in improved student engagement and participation.
- Increased student retention rates by offering additional office hours and one-on-one mentoring sessions.
- Developed new course offerings based on emerging trends in academia or industry demands.
- Provided students with constructive, encouraging and corrective feedback.
- Created dynamic learning environment that valued instructor and student interaction.

- Instructed and evaluated students in classroom in alignment with college mission by incorporating innovative teaching and learning strategies.
- Used different learning modes and types of technology to engage students in achieving learning outcomes.

## **RETIRED UNIVERSITY PROFESSOR**

*01/2021 to 08/2025*

### **Toronto Academy of Math and Science**

- Conducted comprehensive assessments of student performance, refining evaluation methods for accuracy and consistency.
- Encouraged class discussions by building discussions into lessons, actively soliciting input, asking open-ended questions and using techniques to track student participation.
- Promoted critical thinking skills through the implementation of debate exercises and group projects within the curriculum.
- Demonstrated strong interpersonal and communication skills, resulting in clear subject matter discussion with students.
- Maintained regular office hours to provide struggling students with additional course help.
- Developed diversified course curriculum to meet regulatory standards and support learning objectives.
- Built strong rapport with students through class discussions and academic advisement.
- Created materials and exercises to illustrate application of course concepts.
- Taught diverse student population by employing various learning styles and abilities.
- Applied innovative teaching methods to encourage student learning objectives.
- Created positive and safe learning environment for students by setting and enforcing classroom code of conduct.
- Developed and implemented innovative curriculum enhancing student engagement and learning outcomes.
- Supervised graduate students in their research projects, providing guidance and mentorship for successful completion of thesis work.
- Developed innovative teaching methods to adapt to diverse learning styles, resulting in improved student engagement and participation.
- Created dynamic learning environment that valued instructor and student interaction.
- Used different learning modes and types of technology to engage students in achieving learning outcomes.

## **ASSOCIATIVE UNIVERSITY PROFESSOR**

*07/2016 to 01/2021*

### **Toronto Academy of Math and Stat**

- Conducted comprehensive assessments of student performance, refining

evaluation methods for accuracy and consistency.

- Encouraged class discussions by building discussions into lessons, actively soliciting input, asking open-ended questions and using techniques to track student participation.
- Promoted critical thinking skills through the implementation of debate exercises and group projects within the curriculum.
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- Created dynamic learning environment that valued instructor and student interaction.
- Used different learning modes and types of technology to engage students in achieving learning outcomes.

**FACULTY MEMBER & UNDERGRADUATE  
COORDINATOR**

*08/2004 to 01/2021*

**Isfahan University of Technology | Isfahan, Iran**

- Teaching Experience Undergraduate Level: All Calculus Courses for Sciences, Engineers, and other Disciplines, Advanced Calculus, Introductory Statistics, Differential Equations, Partial Differential Equations, Engineering Mathematics, Linear Algebra, Computational Mathematics, Point Set Topology, Mathematical Analysis, Numerical Analysis, Complex Numbers, Mathematical Modelling, and Elementary Functional.
- Teaching Experience Graduate Level: Real Analysis, Measure Theory, Functional Analysis, Operator Theory, Complex Analysis, Advanced Engineering Mathematics, Topics in Operator Theory, Financial Calculus,

Stochastic Analysis, Topics in Mathematics of Finance, and Portfolio Optimization, all at MSc or PhD Level.

- Completed Research Projects: Spectral Analysis Applied to Financial Time Series, The Power of Spectral Analysis, Operator Theory, Numerical Analysis, Fourier Transform.
- Studying New Techniques in Portfolio Optimization.
- Portfolio Optimization under Non-Gaussian Distributions.
- Numerical Techniques Applied to Option Pricing Formula.
- Executive Duties: Dean of Mathematics Learning Center September 2005 - September 2009.
- Dean of Office of Mathematics and Technology September 2008 - September 2009.
- Undergraduate Coordinator August 2010.

#### **VISITING ASSOCIATIVE PROFESSOR**

*08/2019 to 08/2020*

##### **University of Ottawa | Ottawa, ON**

- Developed and implemented innovative curriculum to enhance student engagement and learning outcomes.
- Led research initiatives, fostering collaboration among faculty and students to advance academic knowledge.
- Mentored junior faculty, providing guidance on teaching methodologies and professional development strategies.
- Evaluated program effectiveness through student feedback and academic performance metrics, driving continuous improvement.
- Published peer-reviewed articles in reputable journals, contributing to the body of knowledge in the field.
- Mentored and supervised graduate students, providing valuable guidance for thesis work, research projects, and professional development.

#### **VISITING ASSISTANT PROFESSOR**

*07/2016 to 08/2018*

##### **University of Toronto**

- Developed and implemented innovative curriculum to enhance student engagement and learning outcomes.
- Facilitated collaborative research projects, fostering interdisciplinary partnerships among faculty and students.
- Mentored junior faculty and graduate students, providing guidance on research methodologies and academic publishing.
- Delivered dynamic lectures utilizing advanced technology to support diverse learning styles in the classroom.
- Engaged with industry professionals to integrate real-world applications into coursework, enhancing student relevance in field studies.
- Supported multidisciplinary research teams focused on scholarly publication.

#### **VISITING ASSISTANT PROFESSOR**

*07/2014 to 08/2015*

## **University of Ottawa | Ottawa, ON**

- Participated in departmental committees to refine course offerings and improve program quality based on feedback.
- Collaborated with colleagues in designing interdisciplinary curricula integrating multiple subject areas for a well-rounded educational experience.
- Maintained regular office hours to provide struggling students with additional course help.
- Mentored junior faculty and graduate students, providing guidance on research methodologies and academic publishing.
- Supported multidisciplinary research teams focused on scholarly publication.

## **ASSISTANT PROFESSOR AT FINANCE MATHEMATICS/GRADUATE PROGRAM**

*02/2008 to 06/2014*

## **Sheikh Bahaei University | Isfahan, Iran**

- Teaching Experience: Financial Calculus, Stochastic Analysis, Topics in Mathematics of Finance, and Portfolio Optimization, all at MSc Level.
- Completed Research projects: Financial Time Series Analysis.
- Stochastic Analysis with Applications in Finance.
- Portfolio Optimization.

## **RESEARCH AND TEACHING ASSISTANT AT THE DEPARTMENT OF MATHEMATICS AND STATISTICS**

*08/2001 to 07/2004*

## **University of Ottawa | Ottawa, Ontario, Canada**

- Completed Research Projects: Option Pricing: Statistical Models and Computation.
- Times Series Techniques in Modelling Financial Derivatives.
- Supported classroom activities, tutoring, and reviewing work.
- Helped with grading assignments and tests, providing constructive feedback to students based on results.
- Provided additional support for students with special needs, ensuring they received appropriate accommodations and resources.
- Partnered with teacher to plan and implement lessons following school's curriculum, goals, and objectives.
- Tutored struggling students individually and in small groups to reinforce learning concepts.
- Provided one-on-one tutoring sessions for struggling students, leading to increased understanding and improved grades.
- Served as a mentor to new teaching assistants, providing guidance on effective strategies for classroom management and instruction.
- Designed and implemented engaging classroom activities, resulting in higher student interest and motivation.

## ASSISTANT PROFESSOR

08/1997 to 01/2001

### Isfahan University of Technology | Isfahan, Iran

- Teaching Experience: All Calculus Courses for Sciences, Engineers, and other Disciplines, Advanced Calculus, Differential Equations, Partial Differential Equations, Engineering Mathematics, Linear Algebra, Mathematical Analysis, Complex Numbers.
- Real Analysis, Functional Analysis, Operator Theory, all at MSc Level.
- Completed Research Project: Ideal-Reducibility of Positive Operators on Banach Lattices with no Compact Conditions.
- Executive Duties: Undergraduate Coordinator January 1998 - September 2001.

## TEACHING ASSISTANT AT THE DEPARTMENT OF MATHEMATICS AND STATISTICS

08/1993 to 07/1997

### Dalhousie University | Halifax, Nova Scotia, Canada

- Completed Research Projects: Invariant Ideals for Positive Operators.
- Numerical Methods in Mathematical Modelling.
- Supported classroom activities, tutoring, and reviewing work.
- Helped with grading assignments and tests, providing constructive feedback to students based on results.
- Provided additional support for students with special needs, ensuring they received appropriate accommodations and resources.
- Collaborated with fellow teaching assistants to create a consistent and supportive learning environment for students.
- Provided one-on-one tutoring sessions for struggling students, leading to increased understanding and improved grades.
- Worked with teacher to optimize learning plans based on student test grades and evaluations.

## LECTURER

01/1988 to 08/1993

### Isfahan University of Technology | Isfahan, Iran

- Teaching Experience: All Calculus Courses for Sciences, Engineers, and other Disciplines, Differential Equations, Partial Differential Equations, Engineering Mathematics, Linear Algebra, Mathematical Analysis.
- Completed Research Projects: Operators on Hilbert spaces and Quasi-similarity.
- Techniques of numerical computations and their applications in Mathematical Modelling.
- Executive Duties: Mathematics Research Center Assistant January 1990 - January 1993.

## EDUCATION

Ph.D. | Mathematics

10/1997

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## Dalhousie University, Halifax

- Thesis : Decomposability and Ideal-Triangularizability of Positive Operators on Banach Lattices
- Thesis Supervisor : Professor Heydar Radjavi

**M.Sc** | Systems Science

10/2004

## University of Ottawa, Ottawa

- Thesis : Option Pricing for Infinite Variance Data
- Thesis Supervisor : Professor Mahmoud Zarepour.

**M.Sc.** | Mathematics

09/1987

## University of Shiraz, Shiraz

- Thesis : Unilateral Shift and Quasi-Similarity
- Thesis Supervisor : Professor Karim Seddighi

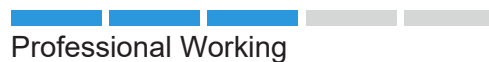
**B.Sc.** | Mathematics

09/1984

## University of Shiraz, Shiraz

### LANGUAGES

English



### CERTIFICATIONS

- Licensed PhD Faculty Member - (1997- 2021)
- Certified Retired University Professor - (2021- Present),

### REFERENCES

#### Professor M. Zarepour

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#### Professor H. Radjavi

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#### Professor P. A. Fillmore

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#### Professor A. C. Thompson

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Halifax, Nova Scotia, B3H 3J5, Canada  
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## AREAS OF INTEREST

- Financial Time Series Analysis
- Portfolio Optimization
- Numerical Analysis
- Fourier and Harmonic Analysis
- Applied Operator Theory
- Spectral Analysis
- Mathematical Modelling