

EDUCATION: TEMPLE UNIVERSITY, Fox School of Business, Philadelphia, PA
Doctor of Philosophy, Accounting, to be awarded May 2023 | GPA: 3.75
Master of Science, Investment Management, Awarded May 2015 | GPA: 3.90
Master of Accountancy, Awarded August 2014 | GPA: 3.68
Bachelor of Business Administration, Awarded August 2013
Dual Major: Accounting and Finance | GPA: 3.27 | Dean's List: Fall 2011; Spring 2013 – Spring 2015

OREGON STATE UNIVERSITY, College of Engineering, Corvallis, OR
Bachelor of Science, Awarded June 2018 | Cum Laude
Major: Computer Science | GPA: 3.62 | Honor Roll: Spring 2016 – Spring 2018

VILLANOVA UNIVERSITY, College of Liberal Arts and Sciences, Villanova, PA
Master of Arts, Mathematics, Awarded August 2017 | GPA: 3.37
Graduate Certificate in Statistics, Awarded August 2017 | Dean's List: Spring 2017 – Summer 2017

PROFESSIONAL EXAMS:

Passed Level I, II, and III of Charter Financial Analyst (CFA)	December 2014 – June 2016
Statistical Analysis Software Certified Base and Advanced Programmer	February 2015 – July 2016
Bloomberg Certified in Equity Essentials	December 2014
Passed both parts of Certified Management Accountant (CMA)	May 2014 – June 2014
Passed all four sections of Certified Public Accountant (CPA)	December 2013 – February 2014

WORKING PAPERS:

- **Measurement of Managerial Ability in the Banking Industry** with Dr. Banker
• Presented at 17th International Data Envelopment Analysis (DEA) Conference, 2019.

WORK IN PROCESS:

- **Implication of Ordered Moment Risk on Firm Behavior** with Dr. Banker and Ahmed A.A
- **Application of Managerial Ability in Banking and Insurance** with Dr. Banker, J. Luo, and H. Oh
- **Investigation of Managerial Role in the Chinese SOE Firms** with Dr. Banker and T. Chen
- **Strategy and its Impact on Managerial and Firm Performance** with Dr. Banker and X. Ma
- Received seed funding from Fox School Young Scholars Interdisciplinary Forum (\$1,000).

CONFERENCE PRESENTATIONS:

17th International Data Envelopment Analysis (DEA) Conference July 2019

RESEARCH EXPERIENCE:

- MATHEMATICAL MODELING, Dr. Douglas Norton, Villanova University Spring 2017
Micro & Macro Economic Survey of Inventory Policy, Management, & its Impact
 - Quantitative assessment of inventory and its related account balances in manufacturing companies and its qualitative implication within S&P 500 index using build-up inventory models and statistical inferences.
- MATHEMATICS SEMINAR, Dr. Bruce Pollack-Johnson, Villanova University Spring 2017
A Boundary Curve to Determine When to Exercise American-Style Put Options
 - Application of Carl-Cox-Rubenstein model to find a region that divides early exercise region and fit a function for stock price given time below which an American put is worth more than European option.
- NONPARAMETRIC STATISTICS, Dr. Jesse Fry, Villanova University Fall 2016
Impact of Technology on a Developing Country's Economic Well-Being
 - Evaluation of whether information technology as an input to a developing country's growth would result in a significant contribution to its output on the basis of Cobb-Douglas and Solow-Swan models.

TEACHING EXPERIENCE:

TEMPLE UNIVERISTY, Fox School of Business, Philadelphia, PA Spring 2017
Adjunct Faculty

- Designed and taught Application of C++ in Finance class as part of a module in Masters of Financial Engineering to approximately 35 students with an objective to perform C++ computation in Excel.
- Delivered in-class and online lectures to use C++ in Visual Studio for numerical finance such as Black-Scholes method and its sensitivity analysis, and Carl-Cox-Rubenstein binomial tree method.

WORK EXPERIENCE:

FF VENTURE CAPITAL, New York, NY February 2016 – March 2016
Accountant

- Provided accounting services to early-stage technology startups that includes preparation of financial and performance reports, and also, supplemental schedules according to U.S. GAAP for periodic reporting.
- Collaborated in conference calls with CEO and CFO to deliver analysis on accounting information.

DIXIT PAREN, CPA, Bensalem, PA Summer 2013
Accounting Intern

- Analyzed changes in accounts receivables of clients' in the retail and hospitality industries with revenues of up to \$2 million and reconciled account balances per bank statement using QuickBooks and Excel.
- Prepared accrual based year-end financial statements and posted daily entries, and assisted staff with data mining related to quarterly sales, FICA, and income tax journal entries using common-size financials.

KASS MANAGEMENT AND CONSULTING LLC, Bensalem, PA May 2012 – April 2013
Administrative Assistant

- Coordinated four pharmacy startups for installation of point-of-sales and peripheral systems to comply with HIPPA regulations and implementation of online prescription refill program to increase retail sales.
- Developed seven independent pharmacy websites using WordPress, worked closely with software suppliers to resolve operational issues, and provided diagnosis of desktop, application, and network issues.

ROBERT C. OLIVIERI, JR., CPA, Fairless Hills, PA October 2011 – May 2012
Junior Accountant

- Facilitated in bi-weekly payroll for local businesses and drafted legal affidavits for IRS resolution clients.
- Created content-based marketing blogs to generate passive revenue from Google AdSense and build four websites for accounting, tax, payroll, and IRS resolution services to increase active revenue from clientele.

PROJECTS: BAYESIAN STATISTICS, Dr. Jesse Fry, Villanova University Summer 2017
Maximizing Probabilistic Utility Function for a Low-Cost Diversified Portfolio

- Formulation of a Markov Chain Monte Carlo portfolio considering risk-return subjectivity of an investor.

DYNAMICAL SYSTEMS AND CHAOS, Dr. Douglas Norton, Villanova University Summer 2017
Assay on Mathematics as a Language of Universe using Dynamical Systems

- Observation of mathematical patterns in nature, and its classification into discrete and continuous models.

OPERATIONS RESEARCH, Dr. Bruce Pollack-Johnson, Villanova University Fall 2016
Optimizing Output Function Based on Three Input Variables

- Non-linear, quadratic, optimization of three daily activities as an input to maximize output function.

ANALYSIS OF ALGORITHM, Dr. Glencora Borradaile, Oregon State University Summer 2016
Efficient Methods to Solve Traveling Salesman Problem

- Variation of greedy algorithms to solve for an optimal tour distance between cities within three minutes.

INTRODUCTION OF DATABASE, Prof. Justin Wolford, Oregon State University Summer 2016
A SQL Database for Accounting Information System

- Implementation of a database to record and track business events, and to provide accounting information.

CORPORATE VALUE MANAGEMENT, Dr. John Soss, Temple University Fall 2015
Investment Valuation of Merck and Company, Inc.

- Quantitative and qualitative analysis of a company from an analyst's perspective for potential investment.

Clarifying the Definition of a Business

- Study of U.S. and international accounting literature for entities with substantial non-financial assets.

AWARDS & ACTIVITIES:

Recognition – 3 rd Place in Interschool Research Competition	October 2019
Recipient – Research fund (\$4,500), Temple University CIBER	May 2019
Recipient – Research grant (\$1,000), Young Scholars Interdisciplinary Forum	April 2019
Recipient – Charter Financial Analyst Program Scholarship	December 2014 – December 2015
Volunteer – Isha Institute of Inner Sciences	June 2015 – July 2015
Recognition – Dean Certificate of Excellence	May 2015
Recipient – Dean’s Specialized Master’s Scholarship	August 2014 – May 2015
Member – Temple University Investment Association	August 2014 – May 2015
Participant – PwC Challenge Case Competition	October 2013 and October 2014
Participant – Fox School of Business Valuation Challenge	September 2014
Recognition – 3 rd Place in Intercollege Equestrian Show, Uni. of Delaware	April 2013
Athlete – Temple University Intramural Equestrian Team	January 2012 – August 2013

WORKSHOP: Yale SOM Fall Accounting Conference (invitee-only)	October 2019
Advances in FinTech, Blockchain, and Cryptocurrencies	June 2019 – July 2019
Fox School of Business Impact Summit	March 2019
Temple Accounting 100 th Anniversary Conference	August 2018
United Nations Sustainable Development Goals on Inclusive Economics	June 2016

SKILLS: Language – C, C++, Python, SQL, PHP, JavaScript, HTML, MASM
Developer – Node JS, Xcode, Visual Studio
Script – MATLAB, R, Mathematica, LaTeX,
Software – Stata, SAS, Lingo, Excel, QuickBooks, SAP ERP, WordPress
Database – S&P Capital IQ, Bloomberg, Wharton Research Data Services, World Bank API

AFFILIATION: Pennsylvania Institute of CPA, Institute of Management Accountants, Ascend Pan – Asian Leaders