

EDUCATION: TEMPLE UNIVERSITY, Fox School of Business, Philadelphia, PA
Doctor of Philosophy, Accounting, to be awarded May 2023
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

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 UNIVERSITY, 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.

DUNKIN' DONUTS LLC, Lancaster, PA June 2008 – July 2011

Shift Leader

- Empowered a team of 2-8 members to serve 1800 guests in a shift and to comply with OSHA regulations.
- Administrated quarterly franchise quality inspection, weekly store inventory, and daily cash management.

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.

ACCOUNTING THEORY, Dr. Sudipta Basu, Temple University Summer 2014

Clarifying the Definition of a Business

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

AWARDS & ACTIVITIES:

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

Athlete – Temple University Intramural Equestrian Team January 2012 – August 2013

WORKSHOP: United Nations Sustainable Development Goals on Inclusive Economics June 2016

SKILLS: Language – C, C++, Python, SQL, PHP, JavaScript, HTML, MASM

Script – MATLAB, R, SAS, Lingo, Node JS

Software – Excel, QuickBooks, SAP ERP, Visual Studio, Xcode, LaTeX, WordPress

Database – S&P Capital IQ, Bloomberg, Compustat, Wharton Research Data Services, World Bank

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