#427-22

Ruthanne Fuller
Mayor

City of Newton, Massachusetts

Office of the Mayor

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August 29, 2022

Honorable City Council
Newton City Hall
1000 Commonwealth Avenue
Newton, MA 02459

To the Honorable City Councilors:

I am pleased to appoint Petr Chovanec of 83 Westland Avenue, Newton 02465 as a member of the Commission on Disability. His term of office shall expire on October 3, 2025 and his appointment is subject to your confirmation.

Thank you for your attention to this matter.

Warmly,

Ruthanne Fuller

Ruthanne Fuller
Mayor

Newton, MA Boards & Commissions

Submit Date: Feb 27, 2022

Application Form

Profile

Petr
First Name

Middle Initial

Chovanec
Last Name

chovanec@gmail.com
Email Address

83 Westland Ave
Home Address

Suite or Apt

WEST NEWTON
City

MA
State

02465
Postal Code

What Ward do you live in?

☑ Ward 3

Mobile: (781) 330-0787
Primary Phone

Alternate Phone

UBS
Employer

Director, Business Modeling and Forecasting
Job Title

Which Boards would you like to apply for?

Commission on Disability: Submitted

Interests & Experiences

Please tell us about yourself and why you want to serve.

Why are you interested in serving on a board or commission?

I have been a Newton resident for about seven years. One of my kids is in Franklin and the second is too young for the school yet. I am a mathematician by trade, and I work for a bank on the intersection of finance and regulations. I am interested in joining the committee because I am interested in disability in general since my brother is physically disabled (cerebral palsy) and I feel I can add value. I am also my employer's Global DE&I Ambassador, and also on the Steering Committee of Ability Employee Network (network for persons with disabilities and friends). Thank you for your consideration.

PetrChovanecResumeN227.pdf
Upload a Resume

Petr Chovanec

781.330.0787 • chovanec@gmail.com

SUMMARY:

Quantitative and data science professional with broad experience in banking and finance currently leading a team modeling and optimizing balance sheet, treasury function and capital allocation of a specialized wealth management bank. Regularly work with state and federal bank regulators, and is an arbitrator for FINRA, self-regulatory financial organization. Appointed UBS Global DE&I Ambassador, and steering committee member of its Ability Employee Network (an employee network for persons with disability and friends). Teaching at a master's level and a frequent speaker at professional and academic conferences on AI, data science, quant finance and risk management.

WORK EXPERIENCE:

UBS Global Wealth Management (NYSE:UBS, SIX:UBSG) — Weehawken, NJ

Director, Business Modeling and Forecasting — *2016 - Present*

UBS Global Wealth Management, part of UBS Group AG, is the largest wealth manager in the world with an AUM of $2.6 trillion.

- Lead the development of balance sheet, PPNR, treasury and accounting models, used for planning, strategic optimization, CCAR, DFAST, CECL, ICAAP; leading the team of six quants + ad hoc contractors for modeling and forecasting wealth management banking portfolio of $200b (deposits, loans, credit cards, mortgages, etc.). From "small" models and dashboards for quick insights to bespoke econometric and machine learning models with big data on cloud platforms in R or Python.
- Implemented innovation projects from internal R/python package development to the ongoing machine learning project (automated multivariate time series predictions for the whole B/S and I/S)
- Involved in all aspects of delivering strategic initiatives from planning, negotiating with other teams across various locations/continents, negotiating budget and consulting contracts (SoWs). CECL, Libor transition, CCAR, business/treasury initiatives, strategic IT solutions, digitalization, DeFi.
- Regularly work and present to stakeholders, senior management (US and divisional C-level), business heads, treasury, business and model risk, internal and external auditors, HR, and regulators (Fed, FDIC).

Columbia University — New York, NY

Associate Lecturer (Enterprise Risk Management Program, Company Failures class) — *2020-present*

Harvard University (Summer School and Extension School) — Cambridge, MA (online)

Head TA and TA in Data Science Program, Data Modeling Class — *2018 - 2019*

Citizens Bank N.A. (NYSE:CFG) (formerly RBS Citizens) — Boston, MA

Sr. Quantitative Analyst/VP, Model Development (2015+) and Model Validation — *2014 - 2016*

Citizens Bank is the 22th largest BHC with $180b in assets.

- Performed various modeling projects (deposits, auto loans, rate and treasury models) and model validation (fixed income trading systems, macro models)
- Managed the development of the PPNR models analytics system (libraries for development, implementation back-up and model performance monitoring), lead execution and two analysts.

State Street Bank and Trust (NYSE:STT) — Boston, MA

Quantitative Analyst/AVP, Model Validation (2013+) and Global Fixed Income — *2012 – 2014*

State Street is the second biggest asset manager in the world (a manager of SPDR funds) and G-SIB.

- Supported traders, calibrated volatilities and curve models (SABR, LMM)
- Validated various models (securities lending, QRM, credit risk (sovereign, municipal), investment risk, ABS)

ENGiE (Euronext:GSZ) — Marlborough, MA and Boston, MA

Structuring Analyst (Trading Dept, Power Plants and Portfolio Management, LNG) — *2007 – 2011*

Engie is the largest utility company in the world with a large portfolio of physical and trading assets in North America. Euro Stoxx 50 company, $200b in assets.

- Quantitative support for traders-built tools in VBA/Matlab/C++, calculated profitability and Greeks of trades
- Built econometric tools for volatility trading and portfolio management tools in Matlab and C++.

Academy of Sciences of the Czech Republic — Prague, Czech Republic

Junior Researcher in Department of Econometrics — *2005 – 2006*

Research on portfolio management and optimization and on financial time series (GAMS, CPLEX).

EDUCATION:

Harvard University **Kennedy School of Govt and Faculty of Arts and Sciences (Cont. Ed./Ext)** Cambridge, MA

- Master of Liberal Arts, Management/Finance; part-time (GPA: 3.75) *2014*
- Graduate Certificate in Legal Studies *2018*
- Exec. Certificate in Public Policy (ongoing) *exp. 2023*

Charles University **Faculty of Mathematics and Physics** Prague, Czech Republic

- State Doctoral Exam in Econometrics and Operations Research (M.Phil. equiv., ABD) *2006*
- M.S. (Magister) in Mathematical Statistics and Econometrics (M.S. GPA: 3.88, research masters) *2004*

CERGE-EI **Center for Economic Research and Graduate Education - Economic Institute** Prague, Czech Republic

- Successfully completed the first year of graduate Economics (with quals) as a cross-registrant 2004-2005

Kansas State University **Department of Statistics** Manhattan, KS

- Graduate Student Exchange *2003*

PROFESSIONAL AND VOLUNTEER SERVICE:

Financial Industry Regulatory Authority (FINRA) New York, NY
Arbitrator (part-time) *2021-present*

Professional Risk Managers' International Association (PRMIA, voluntary) *2017 – present*
Regional Director for New York (9/18-12/20) and NY Steering Committee Member (1/18-present)
Co-Head of Ethics Committee (1/21-present)
PRMIA is one of the largest risk management organizations in the world having 50 thousand members and 50 chapters around the globe and CROs of World Bank Group or EBRD on its board.

- As a regional director, responsible for operations in New York (4000 members, P/L responsibility), co-negotiated sponsoring contracts (e.g., IBM, Accenture, Bloomberg), lead 15 events per year.

Harvard Club of New Jersey *2017 – present*
Executive Committee Member and Interviewer for Harvard College

CFA Society of Boston *2012 - 2015*
Committee Member, Quantitative Investing Committee

HONORS AND ACHIEVEMENT:

Core Leadership Fellow, UBS, 2021*;* **UBS Global Finance Innovation Fellow (fintech and distributed ledgers)**, UBS, 2021; **CREDO Award,** Citizens Bank, *2014;* **Invitee**, Crossborders Seminar, McKinsey & Co. *2006;* **Barton-Dobenin Scholarship**, Kansas State University, *2003;* **Honourable Mentioned**, The Goldman Sachs 8th International Mathematics Competition for University Students, University College, London, *2001*

PROFESSIONAL CERTIFICATION (company-sponsored):

Agile Leadership, Coursera/U.Colorado, **Fintech Law and Policy**, Coursera/Duke, 2021; **Deep Learning Specialization,** Coursera/Deeplearning.ai, 2020; **Accelerated Computer Science Fundamentals Specialization,** Coursera/UIUC, 2020; **Principles Of Sustainable Finance**, Coursera/Erasmus University Rotterdam, 2020; **Data Science Specialization,** Coursera/Johns Hopkins University, 2017; **Executive Data Science Specialization,** Coursera/Johns Hopkins University, *2017,* **CFA Level 1,** CFA Institute, 2011

SKILLS:

Programming: Matlab, R (RMarkdown, package development), Python (Jupyter Notebook, NumPy, Pandas, scikit-learn, TensorFlow, PyTorch), SAS, SQL, CPLEX, Hadoop/Spark, C/C++, Java, Linux tools.

PUBLICATIONS (selected, over 100 citations):

"A Second-order Stochastic Dominance Portfolio Efficiency Measure." *Kybernetika*. 2008, 243-258 (with Milos Kopa).