Office of the Mayor
Gavin Buckley, Mayor
160 Duke of Gloucester Street
Annapolis, MD 21401-2517

January 26, 2023

To: Alderpersons, City of Annapolis

From: Mayor Gavin Buckley

Re: Port Wardens

I respectfully submit for your approval the appointment of Mr. Jonathan McCopp to the Board of Port Wardens. Mr. McCopp is a resident of Ward 2 and this appointment fills a vacancy on the Commission. His resume is attached.

Jonathan McCopp
1309 Poplar Avenue
Annapolis, MD 21401

Thank You.

GB/hrr

Reviewed by: _Environmental Matters Committee__
___ Favorable   ___ Unfavorable
_____   _____
Committee Chair   Date

Jonathan joined SAS in 2013 and has over a decade of data management, predictive modeling and consulting experience in the healthcare, financial services and education industries. He is a Certified Base SAS programmer and has served as a team lead, advisory consultant, developer, data scientist, user coach and trainer.

Jonathan specializes in payment integrity for large government entitlement programs. He has extensive experience developing improper healthcare payment models for the Centers for Medicaid and Medicare Services (CMS) and developing fraud detection scenarios for the Social Security Administration (SSA).

He has widespread higher education experience in the areas of enrollment management, financial aid leveraging and econometric forecasting. He has worked for a diverse set of clients creating statistical models and custom 'what-if' scenarios to predict future enrollment and revenue. He has presented these findings to Presidents, Provosts and VPs of leading academic institutions.

CAREER HIGHLIGHTS

- Developed fraud detection scenarios for payment integrity and insider threat detection at SSA. Developed statistical and machine learning algorithms to reduce false positives and improve efficiency of fraud detection rules.

- Developed improper payment detection models to reduce Medicare claim submission error. Power user of the CMS Integrated Data Repository (IDR) using SAS/Teradata pass-through technologies. Provides SAS user coaching and data analytics consulting.

- Designed, developed, presented and implemented a POC for Medicare Fraud Detection Modeling using SAS Enterprise Guide and Enterprise Miner. Developed and implemented user coaching and training program for fraud modeling using SAS tools and the IDR.

- Co-authored a paper on Spatial Regression modeling techniques for SAS Global Forum and presented the paper to CMS' Centers for Program Integrity.

EXPERIENCE

Principal Technical
Consultant
SAS Institute
Arlington, VA
April 2018-Present

- Social Security Administration (2019-2021)
Developed fraud detection scenarios for payment integrity and insider threat detection. Developed statistical and machine learning algorithms to reduce false positives and improve efficiency of fraud detection rules. Supported migration from Enterprise Case Management to Visual Investigator.

- Indian Health Service (2021)
Modernized the National Immunization Reporting System with ETL development, reporting automation and development.

- DOE: Idaho National Laboratory (2020-2021)

Senior Technical Consultant
SAS Institute
Arlington, VA
April 2015-2018

Supported migration from SAS 9.4 to SAS Viya. Developed migration plans, conducted user assessments, refactored code for Viya web infrastructure.

- CMS: Chronic Condition Warehouse (2019-2020)
Developed proof of concept for a Code and Data Catalog using SAS Visual Investigator. Developed open source APIs in Python Flask to connect to AWS and provision new EC2 environments and load S3 data.

- United States Coast Guard (2018)
Developed transition plan and gap analysis for SAS Strategic Performance Management migration to SAS Visual Analytics

- CMS: Center for Program Integrity (2015, 2018)
Developed improper payment detection models and reports using SAS Visual Analytics and SAS Visual Statistics.
Developed and presented POC for Fraud Detection Modeling at CMS using SAS Enterprise Guide and Enterprise Miner. Developed and implemented user coaching and training program for fraud modeling using SAS tools.

- CMS: Medicare Plan Payment Group (2015-2017)
Analyzed inpatient utilization and developed analytically ready datasets using the CMS IDR and AHRQ HCUP data.
Developed model input files (MIF) for risk adjustment system (RAS) data in SAS EBI.
Developed Encounter Data Monitoring Report, which reports to over 800 Medicare Part C contracts.
Provides SAS user coaching and data analytics consulting.

- Food and Drug Administration (2016-2017)
Developed and modernized reporting with ODS Excel for clinical research panels using CDISC data.

- Bureau of Justice Statistics (2016)
Provided user coaching, platform migration support and consulting.

- Housing and Urban Development (2016)
Provided Active Directory metadata import and synchronization development/support.

- National Institutes of Health (2016)
Developed an API call to Reuters using SAS BASE to download research paper metadata.

- Naval Supply Systems Command (2016)
Developed a data management best practices POC for reports migrated from legacy SAS EBI to a new SAS VA environment with memory constraints.

- Navy Special Operations Command (2016)
Analyzed human performance data using SAS VA, SAS Enterprise Miner and SAS Text Miner. Consulted on future data management practices and analytic possibilities.

- Army Aviation and Missile Command (2015)
Consulted on legacy SAS systems and modernization path for SAS Intranet

Technical Consultant
SAS Institute
Arlington, VA
January 2013-April 2015

- Centers for Medicaid and Medicare Services (2013-2015)
Developed a SAS EBI scoring tool to enable CMS to reduce claim submission error. Power user of the IDR (Integrated Data Repository) using SAS/Teradata pass-through technologies. Provides SAS user coaching and data analytics consulting.

- Public Company Accounting Oversight Board (2013-2014)
Developed a BI reporting tool using SAS EBI and VBA to create a highly customized excel based output from SAS.

Jonathan McCopp
U.S. Government Delivery Team
Data Management and Business Intelligence Practice
Principal Technical Consultant

EDUCATION

University of New Hampshire   Master of Arts in Economics awarded May 2007

Wake Forest University   Bachelor of Science in Business awarded May 2005

SKILLS

TECHNICAL
Base SAS
SAS Enterprise Guide
SAS Studio
SAS Enterprise Miner
SAS Programming
SAS Macro
SAS Visual Analytics and Statistics
SAS Enterprise Business Intelligence
SAS SQL
Python
Shell Scripting
Amazon Web Services
SAS Viya
CASL Programming

PROJECT MANAGEMENT
Develop timeline and project schedule
Develop, monitor, and manage budget
Provide regular and ad hoc status reports to management
Coordinate and oversee development team
Identify requirements and risks
Communication with project stakeholders

ANALYTICAL
GLS, OLS
Logistic Regression
Time Series
Decision Trees
Cluster Analysis
Random Forests
Support Vector Machines

CERTIFICATIONS

Base Programmer for SAS 9

CLEARANCE

Public Trust Clearance

PUBLICATIONS

Figallo, Wu, McCopp. 2018. "Location Matters: Evidence from Spatial Econometric Analysis of Opioid Prescribing Rates" Proceedings of the SAS Global Forum 2018 Conference. Cary NC: SAS Institute Inc.
https://www.sas.com/content/dam/SAS/support/en/sas-global-forum-proceedings/2018/2141-2018.pdf

City of Annapolis

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160 Duke of Gloucester Street
Annapolis, MD 21401-2517

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Boards and Commissions Application

Personal information

Name Jonathan McCopp

Address 1309 Poplar Avenue

City Annapolis   ST MD   Zip 21401

Phones   Home 603-531-0233 (cell)   Other

E-mail jonathan.mccopp@gmail.com

Statement of interest – Why should you be appointed to this board/commission?

I am interested in improving the transportation infrastructure around the city of Annapolis. I am inspired by the Mayor's inner and outer West East Expansion (WEE) project. I would like to lend a hand and aid the city in bringing these projects to fruitition while tackling issues related to micro-mobility infrastructure. As a data scientist and enterprise software consultant, I bring a different perspective related to technology and the critical role data can provide with government decision making.

Are you a resident of the City of Annapolis?   ✔ Yes ___ No

Are you an employee of the City of Annapolis?   ___ Yes ✔ No
    If yes, please state your job title, department & duties.

Do you do business with the City of Annapolis?   ___ Yes ✔ No
    If yes, please detail.

Are you currently serving on any city boards or commissions?   ___ Yes ✔ No
    If yes, please list board(s).

Revised 2/13/2019

Work experience (titles and duties)

Principal Technical Consultant - SAS Institute- April 2013-Present

Jonathan joined SAS in 2013 and has over a decade of data management, predictive modeling and consulting experience in the healthcare, financial services and education industries. He is a Certified Base SAS programmer and has served as a team lead, advisory consultant, developer, data scientist, user coach and trainer.

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Educational background (certificates, diplomas, degrees, seminars, etc)

University of New Hampshire Master of Arts in Economics awarded May 2007
Wake Forest University Bachelor of Science in Business awarded May 2005

Other experience (volunteer experience, memberships etc)
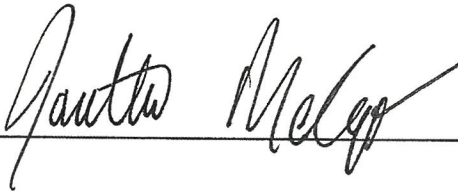
Member - Association of Certified Fraud Examiners

References

Name <u>Karl Schrass</u>   Phone <u>4105333836</u>

Address <u>1109 Beech Street Annapolis MD</u>

Name <u>Aaron McCrady</u>   Phone <u>8048379474</u>

Address <u>1111 Poplar Avenue Annapolis MD</u>

Name <u>Robert (Bob) Waldman</u>   Phone <u>4107036794</u>

Address <u>1001 Poplar Avenue Annapolis MD</u>

Appointees are subject to the provisions of the City of Annapolis Ethics Code, Annapolis City Code Chapter 2.08. Appointees are strongly encouraged to review this Code and contact the City of Annapolis Office of Law and/or City of Annapolis Ethics Commission with all inquiries.

Signature _____   Date <u>4-6-2022</u>

E-mail electronically completed form to boards@annapolis.gov. Paper copies may be faxed to 410-216-8284 or mailed to the Mayor's Office address above, attention Boards and Commissions Coordinator.