

## Rob Schommer

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**From:** TJ Hoke <tjosu99@gmail.com>  
**Sent:** Friday, January 14, 2022 11:07 AM  
**To:** Clerk  
**Subject:** Open Council Position  
**Attachments:** TJHokeResume2021.docx

Please accept this email as a cover letter in response to the open City Council position announced January 5, 2022. Also, find attached my current resume for consideration of the open position.

As a sitting Council member for nearly two years, I have a solid understanding of the current issues facing the City. I understand some of the history, options to address key issues, dynamics within sub-organizations of the city, effective communication techniques within our community, budget constraints imposed on our city, and many other aspects of Bellbrook.

In short, I am ready to re-engage as a City Council member. I look forward to meeting with you and the current Council, and discussing further.

Kind regards,  
Theodore Hoke

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## Experience Summary

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As a Systems Engineer supporting the Federal Government, I have over twenty years of professional experience in the areas of Systems Engineering, Mechanical Engineering and Project Managing. I possess a strong understanding of managing cost, schedule, and scope of technical, complex projects from inception through implementation. I have designed custom virtual reality systems such as flight simulators and virtual automotive design centers for a large array of clients including the US Air Force. My background includes positions with the US Air Force, BARCO Inc., Ward Engineering and Delphi Automotive Systems. I hold a Top-Secret Security Clearance.

## Relevant Experience

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### **Systems Engineer: Tangram Flex, Dayton, OH, April 2021 – Present**

- Systems Engineer specializing in Model-Based Systems Engineering (MBSE); using Cameo Enterprise Architect to construct integrated system architecture for advanced DoD programs
- Used SysML to define system architectures, worked toward integrating SysML models with AADL models built within Tangram Pro; Tangram Flex's tool for integrating components at the embedded level with cyber assured source code
- Stood up company MBSE and Digital Engineering forum to establish common practices among the company, identify and address MBSE/DE issues on projects, and expand the MBSE/DE state of the art across the company

### **Systems Engineer: The Perduco Group, Beavercreek, OH, January 2017 – April 2021**

#### **Strategic Development Planning Experimentation (SDPE)**

- Developed MBSE methods to develop system architectures for innovative Concepts and Capabilities, employing set-based design concepts, linked system architectures to appropriate modeling and analysis tools.
- Project lead for study of SDPE Modeling, Simulation, & Analysis Enterprise; an investigation of the Tools, Data, People, Processes, and Partnerships necessary to support complex, multi-domain capability development.

#### **B-2 Mission Planning**

- Liaison between Defensive Management System – Modernization (DMS-M) and Mission Planning Environment 7.0 (JMPS). Established initial Concept of Operations for B-2 with an emphasis on multi-domain mission planning in an operationally agile manner. Established CONOPs by employing Systems Engineering methodologies for managing interfaces and requirements of complex systems.

#### **Open Architectures Management Office (AFLCMC/EZAC)**

- Coordinated activities across numerous stakeholders to establish a Government Avionics Reference Architecture using MBSE, linking to appropriate MS&A Tools; Leveraged Open Architecture standards to establish an ecosystem for avionics development using Digital Engineering and Agile software development processes.

**Systems Engineer: United States Air Force      Civil Servant: Aug 2014 – Jan 2017**

**Contractor: Sept 2010 – Aug 2014**

**Training System Lead Engineer:** Air Force Life Cycle Management Center - Intelligence Surveillance Reconnaissance & Special Operations Forces Directorate (AFLCMC/ISR & SOF)

### **Combat Rescue Helicopter**

- Lead Engineer for ACAT-1D CRH Training System consisting of Weapon Systems Trainers (WST), Operational Flight Trainers (OFT), Avionics Desktop Trainers (AVDTT), various Maintenance Training Devices, Courseware, Type 1 Training, Training Aircraft, Technical Data Package, Support Equipment and Spares. Training system will be deployed to 11 locations worldwide; estimated Total Life Cycle Cost of \$500M.
- Technical lead for 23-person team, with 6 direct-report engineers.
- Technical Chair Person for Working Groups (WG) and Integrated Product Teams (IPT) including:
  - Synthetic Environment Database WG
  - Cybersecurity IPT
  - Distributed Mission Operations (DMO) IPT
  - Modification Concurrency WG
  - Interface Control Document WG
  - Training System Software WG
- Member of the CRH Source Selection Team - Training System sub-factor. Evaluated all things pertaining to the CRH Training System including the proposal, schedule and supportability concepts; resulting in an awarded contract for the CRH Air Vehicle and Training System.
- Established CRH Training System Requirements Analysis (TSRA), Training System Specification (TSS) and System Training Plan (STP). Technical requirements include a *full-crew* WST and OFT to develop crew resource management skills between Pilots and Special Mission Aviators (SMAs) that would otherwise be learned on more costly aircraft.

### **PAVEHAWK Equivalent Distributed Repeatable Operations Simulator (PEDROS)**

- Lead Engineer for ACAT III PEDROS Training System that addressed urgent Air Combat Command Operational Training needs at Main Operating Bases. System consisted of up to 11 deployable HH-60G, Full-Crew, FAA Level 7 OFTs.
- Led Program from System Requirements Review through Critical Design Review.
- Identified limited return on investment to the HH-60G community resulting in the user's decision to Terminate for Convenience (T4C). Recognized a cost-savings to the tax-payer of approximately \$120M.
- Responded to enquiries at the Directorate, USAF and US Congressional levels to facilitate T4C decision and contract close-out activities.

### **UH-1N Replacement**

- Provided training system technical leadership for the Air Force Global Strike Command (AFGSC), UH-1N Replacement program beginning at the Analysis of Alternatives phase.

- Worked with AFGSC, Air Education Training Command (AETC) and US Army personnel to craft the Acquisition Strategy and System Training Plan to meet urgent training needs in time for first aircraft delivery in 2018.
- Provided technical insight for training options associated with possible platforms that may be selected to replace the AFGSC UH-1N air vehicle.

**Mechanical Engineer: BARCO Inc., Xenia, OH, June 2004 – August 2010**

- Designed custom virtual reality systems including flight simulators & virtual automotive design centers. Responsible for the mechanical design and final integration of systems. Some of the major systems included:
  - B2 Bomber Weapon Systems Trainer, Whiteman Air Force Base
  - Sikorsky Helicopter Simulator, Stratford, CT
  - Israeli Air Force F-16 Mission Training Centre
  - Proctor & Gamble Immersive Consumer Environment; Cincinnati OH, Geneva Switzerland, & Frankfurt Germany
  - Honda North American Design Studio, Torrance, CA
  - TACAMO Flight Simulator, Tinker Air Force Base
  - F-16 Flight Simulator, Edwards Air Force Base
  - Undergraduate Military Flight Officer (UMFO) Simulator, Naval Air Station Pensacola, FL
- Led projects through design, validation, procurement, and installation phases. All designs were modeled in ProEngineer Wildfire 3.0. Documented designs in accordance with ASME Y14.5 drawing standards.
- Analyzed designs via ANSYS Workbench 12.1 (Finite Element Analysis) for structural integrity, modal analysis, and load behavior.
- Resident BARCO expert on vibration analysis. Responsible for ensuring motion based designs were valid according to dynamic specifications. Validated modal properties of systems using PCB/M+P SmartOffice accelerometer data acquisition suite.
- Responsible for the estimation of mechanical costs for projects early in proposal phase. Developed estimating processes and templates that reduced the time necessary to develop estimates and increased accuracy.
- Performed Capital Budgeting projects pertinent to the Mechanical Engineering department. Determined if strategic Engineering and Production investments were fiscally sound and met market demand.
- Member of Quality Audit Team. Improved company operations by reviewing internal processes; measuring efficiency and adherence to documented practices.
- Trained in compliance with International Traffic in Arms Regulations (ITAR) and Export Administration Regulations (EAR) to preserve technology and supply chain of projects associated with US national defense.

**Mechanical Engineer: Ward Engineering, Columbus, OH, January 2002 – June 2004**

- Developed and validated innovative projects in the medical field including medical procedure devices, diagnostic equipment, and laboratory robotics. Designed

**Systems Engineer**

<http://www.linkedin.com/pub/theodore-t-j-hoke-iii-pmp/8/435/78b>

mechanical and thermal systems of medical laboratory robotics. Built prototypes and validated systems with experiments designed to prove life cycle durability.

- Gained a strong understanding of machining capabilities by working closely with internal, non-union machine shop. Processes included: CNC Mill, CNC Lathe, EDM, Plunger, Water-jet, Surface Grinder, Manual Mill, and Manual Lathe.
- Used ProEngineer 2001 to create designs.

**Product Engineer (Occupant Protection Systems): Delphi Automotive Systems, Vandalia, OH, July 1999 – January 2002**

- Responsible for the design and validation of driver-side airbag systems. Efforts reflected in approximately 500,000 cars sold annually.
- Liaison between Delphi and General Motors North American Operations. Coordinated design and manufacturing validation efforts in Matamoros, Mexico. Validated in compliance with Federal Motor Vehicle Safety Standards and ISO9000 procedures.
- Led cross-functional Product Development team consisting of plant personnel, industrial engineers, tool designers, and finance personnel.
- Awarded three Delphi Record of Inventions including:
  - Adjustable airbag locking pin – reduced tooling design and validation process by months.
  - Post-processing of Stereolithography Quickcast™ models for limited run tooling.
  - Bonding airbag emblems w/ polyurethane blend. Resulted in U.S Patent #6,760,989.

**Education**

- Graduate Certificate in Systems Engineering, Air Force Institute of Technology, WPAFB, OH (2020)
- Master of Business Administration (MBA), University of Dayton, Dayton, OH (2008)
- Bachelor of Science, Mechanical Engineering, The Ohio State University, Columbus, OH (1999)

**Certifications/Awards**

- Project Management Professional (PMP®) certified by the Project Management Institute (PMI®) – 2010
- United States Patent - 6,760,989 – Automobile Airbag Emblem Retention Design. Currently used on Cadillac programs
- United States Patent - 8,439,679 - Dental Tool, Atraumatic Root Extraction Device. Tool developed in conjunction with Dr. Niles Syska, DDS
- Acquisition Professional Development Program
  - Level I Program Manager
  - Level III Systems Engineer
- AFLCMC Mid-Career Engineer of the Year - 2016
- United States Air Force Civilian Achievement Award - 2016
- 2015 Dr. Chester G. Jones Memorial Award recipient for AFLCMC/ISR & SOF Directorate

**Theodore J. Hoke III (T.J.)**

**3833 Chablis Ct. Bellbrook OH 45305**

**937.416.5680**

[tjosu99@gmail.com](mailto:tjosu99@gmail.com)

**Systems Engineer**

<http://www.linkedin.com/pub/theodore-t-j-hoke-iii-pmp/8/435/78b>

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**Security Clearances**

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- Top Secret as of 14 August 2018

January 1, 2022

Office of the City Manager  
City of Bellbrook  
Bellbrook, Ohio 45305

Dear Sir:

Please accept the enclosed documents indicating my desire to fill the vacancy on City Council  
For the unexpired term ending December 31, 2023.

Briefly my qualifications for this position included past service filling a similar need on council  
several years ago. I am well versed on the issues facing this city and would readily give  
guidance to council and the administration which are cost effective and contribute to the  
overall development of the City of Bellbrook.

Thank you.



Darryl E. McGill  
3846 West Franklin  
Bellbrook OH 45305

Memorandum To: Bellbrook City Council Community  
Affairs Committee -

Memorandum Re: Qualifications Darryl McGill - Council Vacancy

Memorandum Date: 01/11/2021

My qualifications to fill the vacancy on City Council with term ending 12/31/23 include;

**Civic and Governmental**

- **16 year resident of the City of Bellbrook.**
- Member Charter Review Committee (2010).
- Member of Planning Board.
- Member of Board Zoning Appeals / Property Review Commission.
- Chairman Board of Zoning Appeals / Property Review Commission.
- Member of Council -3 years (9/1/2016-12/31/2019).

**Education**

**BFA / BSEd Ohio University**

**MBA Lake Erie College**

**JD CWRU Gund School of Law**

**Certificates**

Strategic Collective Bargaining University of Michigan.

Human Resource Management John Carroll University.

**Work Experience**

30 years experience Senior Director Human Resources in Steel, Automotive, Transportation, Manufacturing & Retail industries.

10 years experience Law Enforcement Officer NE Ohio.

5 years experience Chief Investigator Lake County Common Pleas Court.

Aviation Officer, U.S. Navy Reserve, VAQ138 /CRAW 2 NAS Whidbey Island.

**Other**

Society Human Resource Management - PHR certification & Global

Professional Certification Human Resource Management.

OSHA 10 & 30 Hour General Industry Certification.

Notary Public-State of Ohio.

6 Sigma Green and Black Belt DMAIC certification Lean Continuous Improvement.