

MICHAEL A. "LUCKY" LA CHANCE

DATA SCIENTIST | DYNAMICS 365 SYSTEM CONSULTANT

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PROFILE

I am a highly versatile apprentice data scientist with deep experience within intelligence systems, reporting and visualization. I thrive in complex environments where actionable insight and analytics is at a premium. I can help your organization discover and manage the knowable – but not yet known!

LEADERSHIP

- Served 20 years as a Military Intelligence Officer -- retired a Lieutenant-Colonel
- Coordinated 22 separate, multi-million dollar Intelligence initiatives for the Army in their early Digitization Experiments
- Developed and taught university courses on intelligence and decision making
- Led global intelligence units and activities during the global war on terror
- Directed a Pilot Center of Excellence for Intelligence Studies at a large university
- Designed Intelligence Systems Networks
- Led requirements and testing for the US Army Battlefield Visualization system
- Air Defense Systems Simulation Engineer
- Led product development research for a Natural Language Processing platform
- Led IT project management teams
- Scores of large scale process improvement projects
- Established ISO quality management systems in several sectors 9001 & 13485

EDUCATION

Nashville Software School
Data Science

The National Intelligence University
M.S. Strategic Intelligence
Thesis: Quantitative Analysis Technique to Predict Ethnic Conflict

Auburn University
B.S. Public Administration

US Army
Command and General Staff College
Combined Arms Staff School
Infantry Officer Advanced Course

RECENT EXPERIENCE

Apprentice Data Scientist Nashville Software School

Sep 2019 - present

Operating in the space between quantitative statistical analytics and computer applications, I was selected to attend an intensive 9 month data science boot camp that reinforced problem solving skills, statistical modeling, programming, teaming, time management, and briefing skills.

- Created and presented several real world analytical projects such as earthquakes and scooter usage in metropolitan areas using Python, web scraping, ArcGis and Jupyter Notebook.
- Designed and programmed an interactive Common Operational Picture of Crime in the City of Chicago using **R** and **Shiny App**.
- Managed version control in group projects using **Git** and **GitHub**
- Exposed and accessed data using RESTful APIs (**Socrata**)
- Applied Machine Learning models in R with **clustering** and **Caret**

Data System Consultant and Dynamics 365 Programmer Willis Towers Watson, London, United Kingdom

Dec 2019 - present

WTW is the world's second largest (NASDAQ index fund) global risk management firm based in the United Kingdom with \$2.7 Billion in revenue & 45,000 employees.

- Serves as a cross functional technical leader, working with analysts and stakeholders to generate, validate, build and manage requirements.
- Discover and uncover insight from the application of Data Science against **Dynamics 365** platform in conjunction with internal apps through **Common Data Set, Odata connections, APIs, Python, Jupyter Notebook, R and R Studio**
- Understand and manage the complexity of the system and its data taxonomies
- Recommend approach, features and functions of the Dynamics 365 application to meet requirements and use cases.
- Design module solutions to meet the approved requirements.
- Build solutions working with development team to ensure requirements are met to include unit testing.
- Documenting the developed functionalities and deployment steps.
- Manage communications on project progress and expectations

Managing Director and Owner Systemic Edge LLC

Jun 2019 - present

SE is a data systems consulting startup that provides private equity management teams with systemic analysis, design, integration and reporting to support the rapid growth of EBITDA while seeing their operations clearly through high impact operational system assessments, design and process management.

- Designed, customized, developed, and integrated a comprehensive warehouse reprocessing system using **Dynamics 365, Dynamics Great Plains** and **Scribe Workbench, Power Apps**

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TECHNOLOGIES

LANGUAGES: R, Python, JavaScript, VBA

DATABASES: SQLServer 2008-2017, MySQL, PostgreSQL, Azure, MS Access,

APPS: Dynamics 4.0 – Dynamics 365, PowerApps, Power BI, Flow, SharePoint

DEV PLATFORMS: DevOps, R-Studio, Visual Studio 2017, Jupyter Notebook

ETL: Tibco Scribe Workbench, SSIS

APIs: OData, FetchXML, Socrata SODA, XML Workbench

REPORTING: SSRS, Tableau, Power BI

PROJECT MANAGEMENT: MS Project, TFS, JIRA,

Agile: Scrum, Kanban, Lean, DSDM

DATA SCIENCE PROJECTS

- **SEISMIC ACTIVITY MAPPING.** A group regression and geocoding exercise designed to extrapolate meaningful trends and patterns from seismic activities. The project was done in Jupyter using Python with ArcPy, geopandas, matplotlib, Arcgis

- **TENNESSEE EDUCATION AND MACHINE LEARNING.** Applied machine learning group exercise applying random forest techniques to Tennessee Education data using Jupyter, and Python

- **COP: A COMMON OPERATIONAL PICTURE OF CHICAGO CRIME.** An individual midterm project created in R, and Shiny linked designed to provide situational awareness about crime, patterns and locations using clustering, heatmaps, and time series analysis within a geocoded scraped dataset

- **PHYSICIAN REFERRALS.** A group exercise designed to extrapolate meaningful network insight from very large sets of data (30M+ records) using SQL, Chunking, ETL techniques to apply to Neo4J

RECENT EXPERIENCE (CONTINUED)

- Successfully generated near real time customer profitability reporting by distributor and customer using **Scribe Workbench** ETL routines, **stored procedures**, **FetchXML** and **SSRS**

Private Equity Principal Consultant Wheelhouse LLC

Jun 2011-May 2019

Wheelhouse is a private equity firm focused in the healthcare and industrial markets space. Their investment strategy was to invest in operationally challenged companies and make operational improvements in order to realize growth potential and value.

- Drove shareholder value to Wheelhouse-LLC and private equity portfolio companies through high impact Dynamics CRM Based System Integrations and operation improvement projects
- Coached and Mentored CEOs and executives on processes and systems
- Implemented business intelligence functions
- Drove strategy and accountability.
- Serves as Chief Operating Officer or General Manager within portfolio companies
- Directed process improvements within portfolio companies
- Authored the Wheelhouse Management Modules

Senior IT Project Manager

Cogent Healthcare (Now Sound Physicians)

Aug 2009 - Jun 2011

Cogent was a large national physician founded patient care network for continuous acute care in a hospital setting.

- Delivered operational efficiencies through the design, deployment, integration, configuration and customization of Microsoft business tools including SharePoint 2010 and Dynamics CRM and Scribe technologies for a private equity backed physician group operating the nation's largest hospitalist company
- Deployed 33 SharePoint hospitalist site locations
- Deployed 5 branded custom operational applications using state of the art technologies.
- Designed and deployed operational management tools to Sales, Marketing, Contracting, HR, Recruiting, and Training functions through the convergence of SharePoint 2010, Dynamics CRM

Vice Present of Strategic Planning and Research Spheris (Now 3M)

Feb 2007- Aug 2009

Spheris (Now 3M) is a global provider of Natural Language Processing software

- Directed planning and research functions for a private equity backed, global medical information company with \$250 million dollars in revenue and 3000 international employees.
- Improved customer satisfaction by 150% through the implementation of a customer satisfaction task force and improved operational reporting