

KEVIN CHEN

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<https://kevinchenportfolio.github.io/>

SUMMARY STATEMENT

Data scientist and intelligence officer with over 3 years of professional experience in AI engineering, business analytics, applied computational statistics, machine learning, and experimental design. Proven track record of collaborating with corporate stakeholders and high-level intelligence consumers to develop and implement data science solutions that drive operational success. Able to adapt to unknown and high-paced environments to produce quality data products for technical and non-specialist audiences. Possess a strong interest in AI/ML policy, natural language processing, national security, and US/China relations.

SECURITY CLEARANCE

July 2022-Present	TOP SECRET/SCI WITH FULL SCOPE POLYGRAPH	Washington D.C.
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EDUCATION

Sept. 2018-June 2022	DARTMOUTH COLLEGE <i>Bachelor of Arts, Quantitative Social Science</i> <ul style="list-style-type: none">▪ Honors Project: "Trends with Educational Attainment and Opioid Poisonings in Tennessee"<ul style="list-style-type: none">○ Aggregated and cleaned state-level and nationwide data from the CDC, ACS Census Data, and the Tennessee Department of Health for data analysis○ Performed extensive data visualization of results using R and its corresponding packages	Hanover, NH
Aug. 2025-June 2027	YALE UNIVERSITY <i>Master in Public Policy in Global Affairs</i>	New Haven, CT

EXPERIENCE

Oct. 2023-May 2025	CENTRAL INTELLIGENCE AGENCY – DIRECTORATE OF DIGITAL INNOVATION <i>Data Scientist – AI/ML Engineer</i> <ul style="list-style-type: none">▪ Served as a subject matter expert for large language models and worked with interdisciplinary teams throughout the full course of multiple project life cycles<ul style="list-style-type: none">○ Leveraged and researched large language models, to develop natural language processing (NLP) solutions for various applications such as chatbots, speech to text solutions, and text summarization.○ Conducted exploratory data analysis and leveraged language abilities on English and Chinese text corpora to identify patterns and insights on large datasets.▪ Developed algorithms and statistical methods that find patterns and relationships in large volumes of data, driving CIA operations and technology investments<ul style="list-style-type: none">○ Regularly collaborate with other Agency technical leads and US partners to answer shared data problems by using replicable experimental procedures▪ Designed, developed, and maintained ETL pipelines to extract, transform, and load data from diverse sources of various languages into data warehouses for CIA stakeholders	Langley, Virginia
Aug. 2022-Sept. 2023	FEDERAL BUREAU OF INVESTIGATION – RESOURCE PLANNING OFFICE <i>Data Analyst – Resource Analysis</i> <ul style="list-style-type: none">▪ Collated business analytics data for FBI executive management, inter-division presentation, and third-party stakeholders in large scale project management:<ul style="list-style-type: none">○ Managed FBI reimbursable programs worth millions of dollars for external DOJ stakeholders and internal FBI collaborators○ Supervised the distribution of total personnel spending across FBI threat domains with scalable and high-performance reporting dashboards and data aggregations▪ Leveraged skill sets in project management, dataset analysis, and data visualization with actionable reports and recommendations to diverse audiences:<ul style="list-style-type: none">○ Delivered scalable and repeatable data visualizations to executives such as the Associate Deputy Director for FBI policy guidance▪ Innovated projects to process massive amounts of data in FBI positions and quarterly personnel expenses for ad hoc requests with strict turnarounds	Washington, D.C.

June 2021- Aug. 2021	TUCK SCHOOL OF BUSINESS AT DARTMOUTH COLLEGE <i>Paganucci Fellow</i> <ul style="list-style-type: none">▪ One of six Dartmouth students selected for an intensive summer internship sponsored by Tuck MBA faculty for strategy, microeconomics, and finance to assist an international company▪ Served as the main technical lead for the fellowship, utilizing applied finance and data wrangling in tandem with other Paganucci Fellows and their assistance with the team▪ Consulted stakeholder board members (Peru Champs) by providing deliverables and an FY21 budget for donor fundraising programs and networking assistance	Hanover, NH
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SKILLS

LANGUAGES: Mandarin Chinese (Fluent), Russian (Proficient)
PROGRAMMING LANGUAGES: Python, R, SQL
LIBRARIES: Tensorflow, Pytorch, Scikit-learn, XGBoost, Pandas, NumPy, SpaCy, tidyxl, purrr, tidyquant
DATABASES: SQL, MySQL, PostgreSQL, Oracle
BIG DATA: Hadoop, Hive, Spark, Kafka
AI/ML MODEL DEPLOYMENT: Docker, Streamlit, Transformers

ACCOLADES

Oct. 2024	ASIAN PACIFIC AMERICAN ORGANIZATION DIRECTORATE REPRESENTATIVE	<i>CIA</i>
June. 2024	PAT ROBERTS INTELLIGENCE SCHOLARS PROGRAM	<i>CIA</i>
Jan. 2023	INTERMEDIATE DATA EXPLOITATION CERTIFICATION	<i>FBI</i>