HENRY CHAPMAN

Denver, Colorado - Solutions & Research Engineer

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EXPERIENCE

Infegy - Consumer Intelligence and Text Analytics   **May 2022 – Present**
Solutions & Research Engineer (Promoted from Lead Analyst)   *Kansas City, MO - Remote*
- Grew Infegy's API business to 10% of annual company revenue.
- Led sales engineering for the three largest API deals in company history with contracts up to $110,000.
- Authored 90+ insight briefs, generating hundreds of thousands of impressions and thousands of subscribers.
- Presented 10 webinars that drove hundreds of thousands in won deals and added hundreds of new contacts.
- Delivered guest lectures at Michigan State, Ohio State, and the University of Wisconsin to 400+ students.
- Named one of Social Intelligence Lab's four 2025 Tech Pioneers for innovation in social listening.

Jackson County Prosecutor's Office   **November 2019 – May 2022**
Data Analyst, Crime Strategies Unit   *Kansas City, MO*
- Led technical analysis resulting in the first homicide conviction of a Kansas City Police detective.
- Led research and analysis that reduced Kansas City-charged narcotics felonies by 95%.
- Secured $350,000 US Department of Justice grant to launch Missouri's first local Crime Strategies Unit.
- Featured Speaker at the 2022 International Association of Crime Analysts Conference.

New York County District Attorney's Office   **June 2016 – March 2019**
Technology Analyst/Consultant, Trial Bureau 70   *New York, NY*
- Led technical analysis in New York's first state-level domestic terrorism homicide case.
- Led a year-long cyber-stalking investigation involving 100 fake accounts that ended in a conviction.
- Testified in 6 homicide and violent felony trials.

National Geospatial-Intelligence Agency   **May 2014 – July 2014**
Program Management Intern, Technology Acquisition Branch   *Springfield, VA*
- Held Top Secret/SCI clearance with counterintelligence polygraph for systems engineering work.

EDUCATION

University of Pennsylvania   **January 2020 – May 2024**
Masters in Computer Science (MCIT), 3.71   *Philadelphia, PA*

Yale University   **September 2012 – June 2016**
Bachelor of Arts in Global Affairs (International Security), 3.64   *New Haven, CT*

PROJECTS

Most Trusted Brands Dashboard | *Python, Vanilla JS/CSS/HTML, Chart.js*   **February 2024**
- Built nested, interactive dashboard that aggregates billions of posts and showcases Infegy's top trusted brands.
- Drives 33% of organic website traffic and 20% of lead conversions.

State of Missouri v. Eric DeValkenaere | *Python, Plotly, GeoPandas, Folium/Leaflet*   **November 2021**
- Conducted a multivariate time series analysis of Cameron Lamb's police homicide.
- Analysis enabled the prosecution's arguments that DeValkenaere violated Lamb's Constitutional rights.

Narcotics Enforcement Reform | *Python, Pandas, Selenium, ocrMyPDF, GeoPandas, NetworkX*   **June 2021**
- Found that black citizens represented 85% of accused drug dealers while only making up 39% of the population.
- Analysis resulted in a 95% reduction in filed drug-related felonies (1,000 fewer filed drug cases per year).

TECHNICAL SKILLS/COURSEWORK/MEMBERSHIPS

Technologies: Python, JavaScript, Linux, Apache Spark, HubSpot APIs, Google Tag Manager and Search Console
Memberships: National Eagle Scout Association, Philmont Staff Association, International Association of Crime Analysts, Social Intelligence Lab, Colorado Mountain Club, American Alpine Club