

Kenneth E. Lipke

kenlipke@me.com
500 Madison st. Apt 532
Alexandria, VA 22314
(716) 289-0526

EDUCATION

Cornell University, Ithaca, NY

- Master of Engineering, Operations Research and Information Engineering May 2018
Data Analytics Concentration
Cumulative GPA: 4.0
- Bachelor of the Arts, Summa Cum Laude, May 2017
Double Major Mathematics and Economics, Minor Atmospheric Sciences
Cumulative GPA: 4.1 / 4.3

WORK EXPERIENCE

Booz Allen Hamilton

August 2018 - Present

Senior Consultant— Department of Defense Secret Clearance

Data Scientist—D.C. Metro Area

- Created schedule optimization algorithm using Python to determine most efficient way to organize IT system migrations
- Developed wargaming simulation tools with the Office of the Secretary of Defense
- Worked with the FBI to understand instillation energy consumption to prescribe cost saving utility actions
- Led a team of Master of Engineering students to optimize a proprietary machine learning tool to detect cyber security attacks
- Analyzed IT system data the Air Force, using R and Python to drive application rationalization and cloud migration decisions
- Developed custom interactive dashboards using d3.js as well as data ingestion tools leveraging R Shiny, and Python Flask

Lucid Software

June 2017 - August 2017

Data Analyst Intern

LucidChart Product Team—Salt Lake City, UT

- Analyzed data on various product features to understand user behavior and pricing opportunities
- Conducted investigation into user activity/inactivity, leading to adoption of new reporting metrics
- Performed clustering analysis on users to understand retention, resulting in new user characterizations and retention tests

Bank of America Merrill Lynch

June 2016 - August 2016

Corporate Banking Summer Analyst

Global Corporate and Investment Banking, Energy and Power, and General Industrials Groups—New York, NY

- Collaborated with senior bankers and product partners to provide thoughtful proposals around credit facility financing
- Created key transaction memoranda, including lender materials and financial analysis for low-grade acquisition funding
- Assisted in a variety of deals, including multiple bond issuances totaling over \$1.5bn

M&T Bank

June 2015 - August 2015

Credit Risk Analyst Intern

Business Banking Group—Buffalo, NY

- Analyzed loan data using SAS, SQL, and Excel for the \$5.4bn small business banking portfolio
- Identified trends in key metrics aiding portfolio decision making
- Created documentation charting past portfolio growth and future projections for executive presentation

HONORS

Knight Scholar

- Recipient of scholarship for M.Eng and MBA program, for expectational students of business and engineering

Phi Beta Kappa Honors Society

- Honor Society for the Liberal Arts and Sciences, inducted as a junior, representing the top 3% of the College

Omicron Delta Epsilon Economics Honors Society

- International Honor society for top students in the Economics major

Dean's List (Every Semester)

- Awarded to students each semester who have demonstrated excellence in their courses

ADDITIONAL SKILLS AND INTERESTS

- **Computer Skills:** Python, R, Julia, Gurobi, CPLEX, HTML, CSS, JavaScript, d3.js, Tableau, SQL, Java, MatLab, LaTeX
- **Interests:** Aviation—private pilot fixed wing and rotorcraft, Running, Cycling, Skiing