



ASHLEY KANG

<https://ashleyk31.github.io/portfolio/>
(password: ashleykang)

Contact

ashleykg@umich.edu | (443)583-9192
www.linkedin.com/in/-ashleykang
<https://github.com/ashleyk31>

Education

University of Michigan

Ann Arbor, MI
M.S in Information
Big Data Analytics Track
August 2025 - May 2027

Wellesley College

Wellesley, MA
B.A in Data Science
Data Engineering Concentration
August 2021 - May 2025

Coursework

Statistics

Applied Data Analysis and
Statistical Inference, Causal
Inference, Regression Analysis and
Statistical Models

Computer Science

Data Structures, Machine Learning,
Databases with Web Interfaces,
Computer Graphics

Mathematics

Combinatorics, Linear Algebra,
Graph Theory

Technical Skills

Programming & Languages

Python (Selenium, Pandas, NumPy,
Seaborn, Matplotlib, PyTorch,
NLTK), R, Java, C, SQL, HTML, CSS,
JavaScript, LaTeX

Data & Analytics Tools

Excel, Stata, Tableau

Design & Development

Autodesk Maya, Unity, Figma,
Adobe (Premiere Pro, Photoshop),
Axure

Productivity & Collaboration

PowerPoint, Word, FormAssembly,
Asana, Salesforce Lightning,

Experience / Projects

Bluebikes Boston :

Determinants of a Station's Popularity

Data Analyst
Wellesley, MA
January 2025 - May 2025

- Conducted comprehensive analysis of a 100,000-row Bluebikes usage dataset using R for data manipulation, statistical analysis, and visualization to identify factors influencing station popularity.
- Developed a predictive model with 97% accuracy, optimizing station placement and improving resource efficiency across the network.

MIT Media Lab

Mechanical Engineer
& Designer
Cambridge, MA
December 2024 - May 2025

- Reconstructed visual elements for the "Brain Sensing" art installation, applying graphic design and UX principles to convey complex scientific concepts, demonstrating creativity, critical thinking, and attention to detail in collaboration with stakeholders.
- Researched qualitative data methods for a behavioral study, using Python and Excel to enhance insights and leverage problem-solving, communication, and organizational skills in a team setting.

MIT Sloan School of Management

Quantitative Finance
Research Assistant
Cambridge, MA
June 2024 - August 2024

- Collected and analyzed financial and market data from pharmaceutical companies (trading status, historical performance, and acquisition trends) to inform a predictive model.
- Built and organized a dataset of 6,000+ entries using R, showcasing skills in organization, analytical problem-solving, and effective communication to ensure high-quality data for a financial forecasting predictive model.

Exposure to News on TikTok: A Real User Data Analysis

Research Assistant
Wellesley, MA
February 2024 - March 2024

- Executed Python and Selenium to scrape large-scale TikTok user interaction data, including followers, likes, and engagement metrics, demonstrating technical proficiency and attention to detail.
- Performed sentiment analysis and text mining on TikTok content and comments using Pandas and NLTK, extracting insights on user exposure to news and engagement trends.

YW Boston

Data and Impact Team
Intern
Boston, MA
May 2023 - July 2023

- Coordinated program data for 300+ participants across multiple initiatives, contributing to YW Boston's first impact report and providing key insights into program effectiveness, demonstrating collaboration, communication, data visualization, and problem-solving skills.
- Designed and implemented a standardized board attendance and tracking system, highlighting skills in leadership, organization, and problem-solving to improve meeting efficiency and ensure accurate records for enhanced organizational transparency.