

Jack Anstey

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EXPERIENCE

Data Scientist at The Boeing Company, Seattle, Washington

January 2023 – Present

- Led development of internal code conversion tool
 - Delivered a tool for code conversion, led weekly all team demos, and integrated stakeholder feedback
 - Authored a whitepaper documenting functionality, solutions, and future recommendations.
- Built data cleaning platform
 - Developed an internal website, API, and Python packages for data verification by non-technical teams
 - Normalized databases, automated processes with CI/CD pipelines, and enabled safe data usage for internal projects, enhancing airplane safety
- Designed graph database for data governance
 - Architected a scalable, secure graph database enabling role-based access and improving data mesh usability for internal and external users
- Optimized document simplification process
 - Projected to save \$1B in operational costs by analyzing and implementing feedback on a text simplifier tool and initiating a simplification process overhaul through automation

IT & Data Analytics Intern at The Boeing Company, Seattle, Washington

June 2022 – August 2022

- Worked with data science team to solve machine learning and artificial intelligence problems
- Author of PDF analysis tool to scrape text and OCR data
 - Dynamically determines the best method of text extraction
 - Designed to work as a standalone program or to be called in a terminal

GitHub Campus Expert at GitHub Campus Experts Program, Remote

May 2021 – December 2022

- Designated on-campus technical leader for GitHub.
- Fostered collaboration with students and faculty to create new or expand existing technical communities

Applied Game Theory Researcher at Emory, Atlanta, Georgia

August 2021 – May 2022

- Applied Game Theory (science of strategy) assisting my professor with multi-dimensional problems

ACCOMPLISHMENTS

- Patents pending
 - Method for Robust and Secure Air/Ground Data Transport (file no. 18/608008)
 - Systems and Methods for Monitoring Cargo (file no. 18/394853)
- Wrote a paper with an accompanying poster to present to experts in the field of information visualization at Eurovis 2023 ([DOI 10.2312/evp.20231066](https://doi.org/10.2312/evp.20231066))

SKILLS

- Proficient in software development using Python, Java, CSS/SCSS, and JavaScript
- Skilled in database systems (SQL, NoSQL)
- Experienced in applying machine learning techniques for data analysis
- Expertise in designing models and schemas for software and databases
- Adaptable to high project volumes in fast-paced settings
- Strong communication, research, and writing skills

EDUCATION

Emory University, Atlanta Georgia

Bachelor of Science in Computer Science, Bachelor of Arts in Math and Political Science Joint Major

Notable Coursework: Machine Learning, Artificial Intelligence, Database Systems, Information Visualization, Human Computer Interaction