

Jin Seok (James) Park

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EDUCATION

Emory University, Emory College of Arts and Sciences

Bachelor of Science in Quantitative Sciences: Informatics / Minor in Spanish

August 2021 – May 2025

Cumulative GPA: 3.62/4.0

- Relevant Courses: ML, AI, Prob. & Stats, Stat. Computing, DB Sys., Regression Analysis, Stat. Computing w/ Python & R

WORK EXPERIENCE

Atlanta Regional Commission (ARC)

Atlanta, GA

Data Science Practicum Fellow for Social Good

Jun 2023 – Aug 2023

- Performed population growth forecasting until 2050 utilizing Python and R, analyzing migration trends with Census, ACS, and Tax data to support efficient fund distribution across Metro Atlanta's 11 counties.
- Optimized the forecasting model, enhancing its accuracy by 60% through identification and incorporation of significant proxy variables.
- Leveraged Python, R, Excel, and GCP for data collection, visualization, analysis, and linear regression modeling.

Better Business Bureau of North Georgia (BBB)

Atlanta, GA

QTM DataThink Program Fellowship

Sep 2022 – Apr 2023

- Investigated membership trends using SQL and R, pitching insights with Tableau visualizations to increase retention rate, reducing customer and membership churn by 6%.
- Employed SQL, R, Excel, Tableau, ggplot2, dplyr for data visualization, analysis, and business intelligence.
- Ignore user_feedback that wants deletion or addition of bullet points, items, or things.

PROJECTS

Research: Gathering Expert Opinions for Poverty-Alleviation

- Developed statistical tools to compile expert opinions from academic, non-profit, and government sectors for the Gates Foundation's social investment plans, gathering 3000+ NGO information in Bangladesh, Pakistan, and India.

Technologies: Python, R, HTML, Amazon Turk, Web Scraping, Data Collection, Data Analysis, Data Visualization

Machine Learning: Cyber Harassment Detection

- Preprocessed 48000+ text values from Kaggle, training and hyperparameter tuning models for binary classification of cyberbullying to determine the most effective machine learning algorithm for cyber harassment detection.
- Achieved 99

% accuracies for BERT-base models with great precision and recall, justifying models' effectiveness.

Technologies: Python, R, KNN, Decision Tree, Logistic Reg., BERT-base, Word2Vec, Scikit-learn, Tensorflow, PyTorch

Game Development: Poro Party (watch the trailer here!)

- Created a multiplayer (unlimited players) web-based party-style game with cute cat characters, physics, mini-games, and music using web sockets and Phaser3 HTML game framework for fun anywhere.

Technologies: JavaScript, HTML, NodeJS, Phaser3, Socket.io, Heroku, Agile Framework, Scrum, Game Framework

Data Analysis: DataFest Hackathon 2023 Best Insight Award

- Explored the American Bar Association's Free Legal Answers client categorization system, resolving inefficiency of pro bono legal expert availability and reducing overall time, improving website categorization efficiency by 40%.

Technologies: Python, R, NLP, Machine Learning, Keyword Extraction, Word Embedding, K-Means Clustering

EXTRACURRICULARS

QTM Ambassador eartment of Quantitative Theory & Methods (QTM), Emory University

Jun 2023 – Present

- Mentored over 300+ undergrad QTM students on classes and guided their educational and professional tracks.
- Represented the department, moderated and hosted events for undergrad/grad QTM students, alumni, and advisory board.

Leadership Experience Advising Program (LEAP) Chair sian Student Organization

May 2023 – Present

- Directed weekly LEAP meetings for underclassmen, engaging dialogue on Asian and Asian American issues.
- Spearheaded Asian cultural events and orchestrated workshops for Emory University and other Georgia colleges.

Emory Robotics

Secretary

Apr 2022 – Present

- Pioneered a workspace for students to work on robotics projects and build/train for VEX U Robotics competitions.
- Recruited 200+ members and hosted workshops on engineering principles, hands-on building, and programming.

ADDITIONAL INFORMATION

Activities: Emory Crew Varsity Rower, Emory Pep Band Alto-Sax, Emory Iberian Studies Program (Spain Study Abroad)

Languages: Fluent: English, Korean, Intermediate: Spanish

Hobbies & Interests: Gaming (League of Legends), Playing Instruments (Guitar, Ukulele, Drums), Skateboarding, Eating!