Isaac Kerson

Data Analyst who dreams of building tools to help improve educational outcomes. 20+ years teaching and managing learning teams. Implemented, organized and led Analytics Engineering projects on the job.

2675 Weigelia Road Northeast, Atlanta, GA, USA
+84 394 793 484
ikerson3@gatech.edu

EXPERIENCE

Stibo Systems, Højbjerg, Denmark — *Project Intern*

AUGUST 2022 - PRESENT

Used PySpark, Python, and deep learning models to create synthetic data for clustering and regression machine learning problems. Created Seaborn and Matplotlib visualizations for presentations to management

Gachon University, Seoul, Korea — *English Lecturer & Team Lead*

JANUARY 2011 - SEPTEMBER 2021

Used Python and Google APIs to automate Google Forms and Google Classrooms creation, collect student data, create automated exams, and grade assignments. Trained colleagues on the use of the system and implemented fixes and new features.

University Neighborhood Middle School, New York, USA — *English Language Arts Teacher & Team Lead*

JULY 2007 - JULY 2009

Worked on a teacher-lead team to design and implement a real-time student attendance system. Led seventh grade team in reviewing student data and planning student interventions and curriculum improvements.

EDUCATION

Georgia Institute of Technology, Atlanta, USA — *Master of Science in Analytics*

JANUARY 2021 - DECEMBER 2022

Excelled in machine learning and programming coursework. Built a Content Management System using PostgreSQL database and Flask with a team of four. Created a deep learning model to predict service ticket completion time using system logs. Achieved a 50% gain in accuracy over baseline Random Forest Regressor model..

New York University, New York, USA — *Master of Education*

FEBRUARY 2003 - MAY 2005

Created and taught a six-week unit in international literature. Graduated with honors. Won ETS Recognition of Excellence Award for scoring in the top five percent of all test takers nationwide on ELA teacher certification exam.

SKILLS

machine learning, communication, programming, technical writing, and problem solving

CERTIFICATIONS

IBM DevOps and Software Engineering: Test Driven Development, Continuous Integration and Continuous Delivery, & Microservices and Serverless Application Development

Google IT Automation with Python Automation with Python, Cloud Configuration Management, Git and GitHub

MongoDB for Python Developers Advanced CRUD Operations, Indexing and Aggregation Pipelines, Backend Development

Datacamp Data Science with Python Pandas Data Cleaning, Seaborn Data Visualization, Machine Learning with scikit-learn

New York English Language Arts Permanent Certification State teaching license to teach English at the secondary school level

TOOLS & LANGUAGES

Python 3, SQL, PySpark, Bash, MongoDB, Flask, scikit-learn