

DANER FERHADI

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TECHNICAL PROFICIENCIES

- **Programming Languages:** Python, SQL, Django, DAX, VBA, Keras, MATLAB, HTML, CSS, JS
- **Tools:** Excel, Power BI, Tableau, Power Automate, Plumsail, MS Forms, Linux

EDUCATION

University of Nottingham, UK 2017

Master of Science in Mathematics

Thesis: Computational Methods for Evaluating the Riemann Zeta Function - First-Class Distinction

Penn State University, University Park, PA, USA 2013

Bachelor of Science in Mathematics

Area of Application: Nuclear Engineering

Kindergarten - 12th Grade, Maryland, USA 1996 – 2008

PROFESSIONAL EXPERIENCE

American University of Kurdistan (Remote)

Data Analyst

2015 – Present

- Using VBA, Python, and the in-house degree audit and forecasting systems, I solved major problems inherent in their class registration process, increasing the number of credits taken by returning students by more than 40% in only one year. This increased tuition revenue by more than 30% in that year alone.
- Initiated and supervised a series of data-driven projects to streamline student registration, tuition payments, and enrollment by designing and building a network of databases and automating more than 500 man-hours per month using Python, VBA, Excel, and Access. Trained and supervised admin to maintain databases and apps.
- Managed a team of admin from different departments to streamline business processes. Automated countless tasks including generating and sending student grades, generating degree audits and using them to automatically forecast enrollment per class for future semesters, financial audits, tracking tuition payments, student and staff feedback surveys, monitoring employee time-sheets and using them to generate payroll each month, and monitoring academic performance. These were previously done manually, often by hand.
- Built and automated dashboards for the Office of Institutional Effectiveness using Power BI.
- Remote as of 2020, working from Almere, Netherlands.

American University of Kurdistan

Mathematics Lecturer

2018 – 2022

- Lecturer for Multivariate Calculus, Linear Algebra, and Advanced Engineering Mathematics.
- Designed the curricula for Calculus and Linear Algebra.

Robert Half Finance and Accounting, Baltimore, MD, USA

Data Analysis Intern

December 2014 – May 2015

- Migrated and cleaned data using SQL to generate demographic reports, financial audits, etc.
- Built business intelligence reports and dashboards in Tableau.