Isabella Nang

BUSINESS DATA ANALYST

Suwanee, GA

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Experience

Demand Driven Technologies
BUSINESS DATA ANALYST
Jul 2021–Present
Sandy Springs, GA

- Simulated over 100 scenarios on customer part datasets to train and enhance an AI/ML model for DDMRP supply chain management
- Performed ETL processes on data procured via APIs containing 6,000,000+ entries using Excel and Python
- Validated an AI/ML model by comparing output results between the AI/ML model and a CoV model for 40,000+ parts
- Determined which features would be added to releases and wrote spec documents outlining requirements for developers

Ernst and Young
BUSINESS ANALYST
Jan 2020–Jun 2021
Alpharetta, GA

- Implemented EY M2 banking software on a global scale throughout the entire SDLC for EY entities as the lead BA and SME for 12 countries
- Developed a complexity model for project planning and resource allocation within Excel used for 40+ countries
- Created test cases and acceptance criteria to assist with testing within UAT and Production environments
- Wrote user stories within Azure DevOps for an essential file scheduler remediation project for 10 clients
- Prepared and filtered payment data containing 20,000+ entries using SQL for accounting purposes
- Authored 200+ scoping and requirements documents with illustrations of current and future state of affairs using process diagrams

PasciVite
SOFTWARE DEVELOPMENT INTERN
Jan 2018–Jul 2018
Atlanta, GA

- Developed websites using Laravel with database integration for 2 clients
- Coordinated with project managers in determining milestones for an EMV and PCI compliant transit app
- Performed requirements gathering work with client stakeholders and translated their needs into a full project scope

MRI Software
SOLUTIONS ANALYST
Jun 2017–Apr 2018
Atlanta, GA

- Analyzed and maintained billing information in Excel for 1000+ properties using pivot tables
- Closed out more than 1500 implementations in Salesforce for properties in the US and Canada
- Corresponded with 200+ properties weekly for information to implement into the CallMaX system

Georgia Institute of Technology
RESEARCHER
Summer 2016
Atlanta, GA

- Researched mathematical-biology problems involving RNA folding pertaining to non-crossing perfect matchings and meanders
- Proved a breakthrough theorem regarding the connectivity of meanders, making progress on a problem that had been open since 1988, resulting in a poster presentation at the Joint Math Meetings 2017

Education

M.S. Computational Science and Engineering
GEORGIA INSTITUTE OF TECHNOLOGY
Aug 2018–Dec 2019

- Interdisciplinary program within the School of Mathematics
- Concentration in Civil Engineering/City Planning - Sustainability and Resilience

B.S. Mathematics
GEORGIA STATE UNIVERSITY, 3.93 GPA, SUMMA CUM LAUDE, GENERAL HONORS
Aug 2013–Dec 2017

- University Assistant and Vice President of the Mathematics and Statistics Club for 3 semesters
- Awards: V.V. Lavroff Calculus Award; Outstanding Undergraduate Student Award (Departmental Award)

Skills

Languages	Python, SQL (MySQL, SQLite), MATLAB
Libraries	pandas, Matplotlib, Numpy, Seaborn, scikit-learn
Project Planning	Jira, Azure DevOps, Waterfall, Agile
Misc	Tableau, PowerBI, Excel, Qualtrics, LaTeX, Visio, Salesforce, Sharepoint
	DDP Certified, Fluent in Korean, ability to type 140+ wpm