

Jace KING

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PROJECTS

FedEx Data Access Site

Developed website and built tools allowing users to access customer data, account volume data, and FedEx location data using .NET and SQL and reducing corrupted selling time

Small Animal Clinic Simulation

Simulated client arrivals and staff service times for small animal clinic to improve staff hiring and scheduling and reduce wasted employee hours

Animal Shelter Analysis

Analyzed Austin Animal Shelter data using supervised and unsupervised learning techniques and attempted to predict animal outcomes

Delivery Drone Recharging Station Location

Researched latest models for locating drone recharging stations and extended and adapted the models for new problems (set covering, p -median)

Senior Thesis: "Sorting Algorithms and O-Notation"

Researched O-notation and analyzed time complexity of merge sort with mathematical proofs

WORK AND EXPERIENCE

SUMMER 2019

FedEx Services Internship

Development and Data Analysis

- Developed a suite of tools using .NET and SQL Server
- Collaborated across teams and focused on target users to ensure consistency and accuracy
- Presented project to multiple levels of upper management

Current

AUG 2018

Teaching Assistant, William & Mary Mathematics Department

Calculus

MAY 2018

AUG 2016

Teacher, St. Andrew's Episcopal School

Calculus, Algebra, and Computer Science

EDUCATION

Current

MS in Computer Science, **College of William & Mary**, Williamsburg, VA

Specialization in Computational Operations Research

GPA: 3.95/4.0

MAY 2016

Bachelor of Arts, **Millsaps College**, Jackson, MS

Magna cum Laude | Majors: Mathematics and Classical Studies

GPA: 3.89/4.0

SKILLS

LANGUAGES

Python, Java, R, AMPL, SQL, .NET, SIMAN

COMPUTER

~~TEX~~TEX, Microsoft Office, Unix, spreadsheets, database management

COURSEWORK

Graph Theory, Math Modeling, Linear Programming, Probability, Statistics, Data Mining, Network Location, Simulation, Algorithm Analysis, Network Optimization

LEADERSHIP AND ACHIEVEMENTS

2019

Volunteer Tutor, Williamsburg, VA

2017-19

Volunteer Summer Camp Director, Camp Bratton Green, Canton, MS

2017-18

Volunteer Youth Leader, Chapel of the Cross, Madison, MS

APRIL 2016

Phi Beta Kappa, Academic Honorary

MARCH 2010

Eagle Scout, Boy Scouts of America, Troop 3, Tupelo, MS