

Billy Presume

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EDUCATION

Franciscan University of Steubenville

Steubenville, Ohio

Computer Science, B.S.

Graduation Date: May 2022

- **Awards:** Mentors Found **Scholarship**, **Dean's List** (Fall 2021), **1st Team All-Conference (PAC)**, 4-Year Letter **Scholar Athlete**
- **Extracurriculars:** #3 Singles & #1 Doubles **Tennis** Player, **SWE Club**, **Cyber Security Club**, **Chess Club**
- **Relevant Courses:** OOP, Analytic Geometry & Calculus I & II, Matrix Theory I & II, Discrete Math, Database Systems., Linux & Scripting, Web Development, Software Q.A., Software Architecture

WORK EXPERIENCE

Hilton, Inc.

Remote, GA

Senior Analyst, Data – GRO Support

January 2023 - Present

- Single-handedly developed a full-stack IDP authenticated web analytics platform using JavaScript, Python (Pandas & NumPy), Node & Express.js and T-SQL which leveraged predictive modeling, data visualization, and machine learning, improving revenue management for Hilton's 8,400+ hotels. Achieved 100% satisfaction, saving over \$3.6 million annually and reducing analysis time by 1,500 hours.
- Redesigning a Revenue Management toolkit with VBA, ensuring 100% compatibility with Hilton's global hotel portfolio and saving over 6,000 hours per week in data balancing tasks across 8,400+ hotels company wide.
- Created advanced data transformation models using SQL, Python with NumPy and Pandas to process and clean over 13 billion records, resulting in a 57% reduction in data processing time and delivering actionable insights that improved decision-making efficiency across Hilton's 24+ brands and market segments.
- Facilitated Node.js deployments on IIS with iisnode, increasing web performance by 23%.

Franciscan University – E-Learning

Steubenville, OH

eLearning Video Editor

August 2020 – August 2022

- Edited and produced 150+ eLearning videos of varying lengths using Adobe Premiere Pro and After Effects, improving course engagement and reducing production time by 30%.
- Achieved 10% faster completion rates by delivering higher-quality, more engaging learning content.

Franciscan University – Admissions

Steubenville, OH

Salesforce Database Management Specialist

January 2020 – December 2021

- Optimized graduate admissions database management, ensuring 100% data accuracy and increasing processing efficiency by 63%, saving over 6 hours per week.
- Partnered with 7 admission specialists and the Director of Graduate Admissions to streamline the graduate admissions process, resulting in a 25% improvement in processing timelines.

LEADERSHIP EXPERIENCE

Hilton

Memphis, United States

Senior Mentor

May 2023 – Present

- Mentored 5 analysts in time management, communication, and presentation skills, boosting productivity by 20% and improving customer and stakeholder interactions.

Chess Wizard

Reno, United States

Chess Teacher

July 2023 – January 2024

- Taught engaging lessons in 5 elementary schools using chess to enhance problem-solving and critical thinking, improving math grades for 37 students and achieving a 100% satisfaction rating from parents and faculty.

SKILLS & INTERESTS

Programming: Python (pandas, NumPy), SQL, R, JavaScript, C

Visualization Tools: Tableau, Power BI, Google Data Studio, Excel, Plotly, D3.js, ApexCharts.js

Web Development: HTML, CSS/Tailwind, Node & Express, REST APIs, Postman, Git, Bitbucket, Jira

Interests: Leadership and Collaboration, Sustainable Innovation & Engineering, Data Analytics, Automation

Volunteering: **English Teacher** (Gau, Fiji 2017), **Volunteer Firefighter** (Fannin, GA 2022)

Certifications: Adult and Pediatric First Aid/CPR/AED/BCLS Certified