

Jason Mai

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EDUCATION

Indiana University, Bloomington, IN
Bachelor of Science in Computer Science | Minor in Data Science
Dean's List

December 2024
GPA: 3.51/4.00

WORK EXPERIENCE

Procter and Gamble – Data Engineering Intern

May 2024 – August 2024

- Developed and implemented robust data models to analyze customer loyalty data for millions of Meijer customers and billions of sales data
- Designed and executed ETL processes to ensure accurate and timely data extraction, transformation, and loading from various data sources
- Saved 1.5 million dollars in opportunity costs and 300 hours of labor per year

Defense Financial and Accounting Service – IT Intern

May 2023 – November 2023

Security Clearance: Secret (Expires November 2025)

- Responsible for supporting the agency's transition to integrating the Power Platform as well as managing its policy making and governance to over 12,000 users
- Developed a Power BI dashboard to assist with organizing and tracking the agency's 13,000 software licenses

Indiana University - Lab Technician

November 2021 - Present

- Oversee four makerspace engineering lab locations across campus, helping students, researchers, and professors with their technical and engineering needs
- Proficient in laser cutting, soldering, engraving, vinyl cutting, 3d printing and other engineering tools and machines

PROJECTS

For more details and projects, please visit jasonthemail.github.io

Crowley and the Cheese Covenant (<https://jasonthemail.itch.io/crowley-and-the-cheese-covenant>)

- Designed, programmed, and published an adventure platforming game with C# and Unity on itch.io
- Features 8 levels, cut scenes, animations, story, and an hour of game play
- Implemented C# scripts to generate linear interpolation and trigonometric waveforms to simulate pathfinding and movement

NeuroTrack (<https://github.com/JasontheMai/NeuroTrack>)

- Developed an IOS app that tracks the symptoms of users with Parkinson's disease using the phone's gyroscope, accelerometer, and pedometer so that users can better understand how their symptoms are progressing
- Measures the user's gait and tremor patterns using data analytics to find the standard deviation of their symptoms over time

LEADERSHIP

Indiana University - Luddy LLC Vice President

August 2021-May 2022

- Authorized, advised, and distributed the organization's 3,500-dollar budget to go towards community events
- Developed and hosted numerous networking, social, and professional development events for an organization with over 150 members and nearly 500 alumni

TECHNICAL SKILLS

- Proficient in Java, Python, JavaScript, HTML, CSS, Power BI, Power Query, Dataflows and Unix
- Familiar with C, C#, Swift, Racket, Git/GitHub, XCode, SQL, and Unity