

Jason Mai

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EDUCATION

Indiana University, Bloomington, IN
Bachelor of Science in Computer Science | Minor in Data Science
Dean's List since Fall 2022

December 2024
GPA: 3.52/4.00

WORK EXPERIENCE

US Department of Defense Financial and Accounting Service – IT Intern

Summer 2023

Security Clearance: Secret (Active)

- Created a data analytics dashboard to analyze and monitor software used by over 12,000 employees globally
- Developed Power BI reports to assist with organizing and tracking the agency's 13,000 licensed software

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
- Utilizes the Core Motion, UIKit, and Core Data frameworks

LEADERSHIP

Indiana University – Makerspace Club Vice President

March 2022-Present

- Coordinated a sticker-making event with the Visionary Voters organization to encourage students to vote in the upcoming 2022 primary elections
- Designed and fabricated chess sets from scratch using 3D printers and Trotec laser cutters for an upcoming chess tournament

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

Programming Skills

- Proficient in Java, HTML, CSS, and Unix/Linux
- Familiar with C, C#, Swift, Racket, Python, Git/GitHub, XCode, SQL, and Unity