Adam Jarvis

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WORK EXPERIENCE

London Computer Systems
May 2023 – Present
Software Developer — *Mason, OH*
- LCS is a software company that offers several IT services including Rent Manager, NDT, and more ([lcs.com](lcs.com)).
- As a developer, I actively contributed to the development of Net Dial Tone (NDT) and NDT 2.
  - VoIP telephone solution created using OpenSIPS and Asterisk built to manage customer communications.
- Collaborated with a team of developers to design and implement customer/admin portals and web APIs.
  - Primarily used Angular framework, Node.js, ARI (Asterisk REST Interface), and Docker/Kubernetes.
- Achieved RentManager Certification within 90 days.

Martin & Associates
Aug. 2019 – Dec. 2021
Software Developer (Co-op) — *Cincinnati, OH*
- MWA is a computer consultant company that delivers ERP & CRM solutions to their clients (martinandassoc.com).
- I was the primary developer of integration services between ERP and CRM software sold as a product to clients.
  - Created using primarily C# .NET, multiple Web APIs, Quartz.NET, and ProvideX.
- Collaborated with clients to implement requested product features for maximum compatibility.
  - Also responsible for assisting clients with technical support using BeyondTrust/Bomgar.
- Achieved Acumatica ERP Certification within 60 days.

University of Cincinnati Carl H. Lindner College of Business
Jan. 2022 – May 2023
IT Help Desk Technician (Student Worker) — *Cincinnati, OH*
- Assisted with software installation, network troubleshooting, lab/classroom maintenance, and virus removal.
- Coordinated with other technicians to repair computer hardware and AV equipment in a timely manner.

Phototype
May 2018 – Aug. 2019
Application Development Intern — *Cincinnati, OH*
- Streamlined business operations by designing reports, organizing internal documentation, restructuring sales database, refining CRM platform, and assisting in QA testing.

EDUCATION

University of Cincinnati, College of Engineering & Applied Science
Graduated May, 2023
BSc, Computer Science — *Cincinnati, OH*
- Awarded Cincinnatus Scholarship, Dean's List; 3.5/4.0 GPA
- Involved with Theta Chi Fraternity, ACM@UC, Student Government

PERSONAL PROJECTS

PartyLine: DJ App
Feb. 2023 – Present
- Playlist collaboration tool allowing DJ's and party hosts to create crowd-controlled music queues.
  - Built using Flask backend, Angular frontend, Socket.IO, and SQLite database.
- Features responsive design for mobile users and Spotify API integration for track names, artists, and album art.

Custom Interpreter & x86-64 Assembly Generator
Dec. 2022 – Present
- Developed an interpreter and custom programming language using Python and Assembly.
  - Includes a lexer, parser, symbol table, and semantic analyzer for AST construction and interpretation.
- Designed and implemented a code generator that translates the AST into executable x86-64 Assembly code.

Additional Projects Available on Personal Site
- jarvisar.github.io/#portfolio

SKILLS & INTERESTS

- **Skills:** Full Stack Web Development (Angular, React, JavaScript Libraries); API Development (Node.js, ASP.NET); Desktop Development (C#, Python, C++); SQL (MySQL, SQLite); CI/CD (Docker, K8s); Low-Level Programming; Git;
- **Interests:** Artificial Intelligence, Hockey, Personal Projects, Reading Sci-fi, Design, Star Wars, Astronomy