Alexander Jawhari

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EDUCATION

University of Texas at Dallas   Expected 2027

Computer Science, B.S.

GPA: 3.36

Relevant Coursework: Data Structures & Algorithms, Database Systems, Computer Architecture, Systems Programming in UNIX, Functional Programming & Paradigms, Probability and Statistics, Linear Algebra, Digital Logic & Computer Design

EXPERIENCE

Software Engineering Intern   2025

Core Integrative Health   Dallas, TX

- Created and maintained a digital database tracking patient financial plans and payment schedules, using spreadsheets / simple database tools to store, query, and update big data customer records for **dozens of patients per week**
- Automated follow-up workflows: built scripts generating templated email messages or phone call logs to notify patients and improve outreach, resulting in **40% improved patient callbacks** and *30% reduction in late or missed payments*
- Designed reports via integrated systems to monitor outstanding balances, upcoming payments, and plan statuses for effective retail management
- Collaborated with finance and operations staff to validate patient data, fill data gaps, and ensure integrity of contact and financial information; introduced error‑checking routines to **reduce data entry mistakes by 25%**

PROJECTS

Class Availability Tracker   September 2025

Tech Stack: Python | Playwright | BeautifulSoup

Developed a tool to monitor university course enrollment and availability in **real-time**:

- Scraped rendered coursebook listings using Playwright, parsed HTML to determine available seats, achieving **25% faster parse** rates utilizing libraries such as BeautifulSoup
- Built parser modules to extract section info: status, enrolled/capacity, meeting time, instructor
- Seamless Notification system that pings user within **5 seconds** once a status change is detected
- State tracking to avoid duplicate alerts
- Modular architecture to enable packaging, scheduling, and potential modability for others
- Improvement of database access by **50%** compared to front end access

LEADERSHIP & ACTIVITIES

Speech & Debate Club   2019-2023

President

- Lead an organization of **60+** members
- Competed in over tens of highly competitive debate tournaments
- Taught dozens of students how to effectively brainstorm and create effective arguments
- Developed public speaking, communication, leadership skills, teamwork

TECHNICAL SKILLS

- **Computer Languages:** C, C++, Java, Python, HTML/CSS, JavaScript, SQL, bash,
- **Frameworks / Libraries:** Playwright, BeautifulSoup, REST APIs
- **Developer Tools:** Bootstrap, Git, Docker, VS Code, IntelliJ, Eclipse
- **Other**: Data Parsing & Automation, Scripting, Web Scraping, State tracking, Real-time notifications, Linux, Workflows, Macros, Graphic Design, UI/UX