JAKUB T SZWEDO

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EDUCATION

Bachelor of Science in Computer Science May 2028

University of Illinois Chicago | Chicago, IL

- GPA: 3.63
- Relevant coursework: LAN 111-IT Essentials A+, CS 251-Data Structures, CS 261-Machine Organization
- Cum laude, National Honor Society
- Member of ACM (Association for Computing Machinery) & LUG (Linux User Group)

EXPERIENCE

Teaching Assistant for Languages and Automata January 12, 2026 — Present

University of Illinois Chicago | Chicago, IL

- Conduct weekly office hours to provide technical guidance on finite automata, regular expressions, and context-free grammars.
- Helping students comprehend formal proofs and computational logic by explaining theoretical problems and explaining algorithms of automata theories.
- Lead weekly lab sessions for 25+ students, providing hands on practice for content done in lecture.
- **Skills:** JFLAP, Educational Leadership, Automata Theory

IT intern - Infrastructure and Systems Administration July 2nd, 2025 — August 22nd, 2025

University of Illinois Chicago | Chicago, IL

- Built and administered VMs on Proxmox VE and automated OS imaging/deployment with FOG Server to standardize workstation rollouts.
- Managing technical obstacles with TDX ticketing to fix hardware and software issues, set up peripherals, and maintain the network documentation up to date.
- Locked AV security by setting up Crestron XiO Cloud panels with SSL/TLS certificates and syncing them with Google Calendar for easy room scheduling.
- Upgraded student spaces by working with Student Affairs to deploy and manage Mersive Solstice Pods and digital signage.
- Led a smooth workstation migration during a department move, ensuring that all staff hardware was set up.
- Managed the switch from Cisco IP phones to Zoom Phone, which involved tracking inventory (MAC/IP) and troubleshooting connectivity to keep everyone online.
- **Skills:** Proxmox VE, TDX Ticketing, FOG Imaging & Deployment, Crestron XiO Cloud, Solstice Cloud, Zoom Phone

SparkHacks Hackathon February 2025

University of Illinois Chicago | Chicago, IL

- In a team of 5, created a project that was a functional prototype and proof of concept.
- The project allowed local/small companies to bid for jobs created by individuals looking for a workforce.
- Using C++ and custom made data, my team created this project for the SparkHacks competition.
- **Skills:** Data Manipulation, Object usage, Teamwork, Communication, C++

PROJECTS

Home Lab December 30th, 2025 — Present

- Building a Home lab by using Proxmox to run Virtual Machines and Containers.
- Currently running a Pi-hole container to secure my home network from tracking and lower advertisements.

Encryption by Randomization December 22nd, 2025 — Present

- Working on a project utilizing random seeding for encryption and decryption for user-given keys and passwords.

Personal Website (jakub-szw.github.io) May 25th, 2025 — June 3rd, 2025

- Created a personalized website using HTML, CSS, and JavaScript, posting blogs about experiences and career progress.

SKILLS

- Cybersecurity (Cisco Networking Academy) & Privacy: Network Security Basics, Data Privacy (Interest)
- Hardware Repair: Apple GSX Training
- Computer-Aided Design: AutoCAD Certification
- Programming Languages: C/C++, Java, JavaScript, HTML, CSS, Python, Bash
- Fluent in English, Polish