JAKUB T SZWEDO

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EXPERIENCE

Teaching Assistant for Languages and Automata   University of Illinois Chicago | Chicago, IL
January 12, 2026 — Present

- 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   University of Illinois Chicago | Chicago, IL
July 2nd, 2025 — August 22nd, 2025

- Managing technical obstacles with TDX ticketing to fix hardware and software issues, set up peripherals, and keep 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   University of Illinois Chicago | Chicago, IL
February 8th, 2025 — February 9th, 2025

- In a team of 5, created a project that was a functional prototype and proof of concept, allowing local/small companies to bid for jobs created by individuals looking for workforce.
- **Skills:** Data Manipulation, Object usage, Teamwork, Communication, C++

Apple GSX Training   Smart Technology Services, Inc.
May 2024 — June 2024

- Completed remote course on Apple hardware repair (iPhones, MacBooks, iMacs).
- **Skills:** Hardware Repair & Troubleshooting, Self-Motivation & Discipline

EDUCATION

Bachelor of Science in Computer Science   University of Illinois Chicago | Chicago, IL
Expected: May 2028

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

SKILLS

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

PROJECTS

Proxmox Server and FOG Imaging   2nd July 2025 — 22nd August 2025

- Built and administered VMs on Proxmox VE and automated OS imaging/deployment with FOG Server to standardize workstation rollouts.

A Service Bidding Platform   8th February 2025 — 9th February 2025

- Created a functional prototype to support local workforce job bidding.
- Experience working with a team by collaborating on a daily basis.

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 and CSS, posting blogs about experiences and career progress.