

Arthur Zakrzewski

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EDUCATION

Northwestern University

B.A. in Computer Science and Mathematics

Expected Graduation: June 2028

Evanston, IL

- **GPA:** 3.79/4.0 | **Activities:** Kappa Theta Pi, Design + Innovate for Social Change
- **Relevant Coursework:** Fundamentals of Computer Programming (Racket, Python, C/C++), Data Structures and Algorithms, Multivariable Calculus, Engineering Analysis 1, Design Thinking and Communication

EXPERIENCE

Student Holdings

Incoming Chief Technology Officer

May 2025

Evanston, IL

- A non-profit organization managing and overseeing a portfolio of 3 student-run businesses serving Evanston

Aldridge Electric

Project Management Intern

June 2024 – September 2024

Des Plaines, IL

- Headed intern group in auditing 1000+ electrical drawings and daily reports, recovering \$200,000+ of revenue
- Created spreadsheet template with individual item quantity documentation, streamlining the item totaling process
- Compiled 7 construction invoices, structure foundation estimates, and dig site reports, facilitating project efficiency

Prospect Airport Services

Passenger Service Assistant

June 2022 - August 2022

Chicago, IL

- Cared for 100+ disabled flyers through the arrival and departure process at O'Hare's international terminal
- Guided 12 flyers through the frustrating procedures surrounding cancelled flights and overnight layovers
- Maintained a calm demeanor during high-stress situations, contributing to a pleasant airport environment

PROJECTS

CTA Bus Tracker | C++, CTA Bus Tracker API

- Created a program that parses OpenStreetMap data to identify buildings and output their nearby bus stops' data
- Implemented binary search to efficiently parse thousands of map nodes, to calculate precise building locations
- Utilized the CTA Bus Tracker API to source real-time predictions on bus arrival times to bus stops

Real-Time Counter-Strike Inventory Price Dashboard | TypeScript, React, TailwindCSS, Supabase

- Built an interactive dashboard to track and display real-time price changes in a user's Counter-Strike inventory
- Utilized Steamwebapi for price data, Recharts for data visualization, and Steam Web API for user identification
- Leveraged Supabase to store user inventory value data, enabling historical tracking and data visualization

The Recyclery Website | TypeScript, React, TailwindCSS, Supabase

- Collaborated with 6 developers to design and develop an informational website for a local non-profit bicycle shop
- Leveraged Supabase to handle admin authentication and implement an API used to store and update image data
- Presented a design and technical spec to the client, and revised project trajectory based on biweekly meeting input

LEADERSHIP

Northside College Prep Polish Dance Club

President

September 2021 - May 2024

Chicago, IL

- Performed annual cultural dance in front of an audience of 1500+ at annual International Night showcase
- Choreographed a minute-long dance segment selected as the International Night grand finale, beating out 30 clubs
- Taught choreography at weekly practices and held members accountable for their efforts as deadlines approached

TECHNICAL SKILLS

Languages: C++, Python, TypeScript, JavaScript, HTML, CSS, MATLAB, Racket, L^AT_EX

Technologies: React, Node, Express, APIs, Make, GDB, TailwindCSS

Developer Tools: Git, VS Code, Supabase, Valgrind, SSH