

Arthur Zakrzewski

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EDUCATION

Northwestern University

Expected Graduation: June 2028

B.A. in Computer Science and Mathematics

GPA: 3.79/4.0

- **Relevant Coursework:** Fundamentals of Computer Programming (Racket, Python, C/C++*), Data Structures and Algorithms*, Engineering Analysis 1, Multivariable Calculus*, Design Thinking and Communication
- **Expected Coursework:** Intro to Computer Systems, Operating Systems, Probability and Stochastic Processes

PROJECTS

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

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

The Recyclery Website* | *TypeScript, React, Node.js, TailwindCSS, Supabase*

- Collaborating with 6 developers to design and develop an informational website for a local non-profit bicycle shop
- Leveraging 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

EXPERIENCE

Project Management Intern

June 2024 – September 2024

Aldridge Electric

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 digsite reports, facilitating project efficiency

Passenger Service Assistant

June 2022 – August 2022

Prospect Airport Services

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

INVOLVEMENTS

Northside College Prep Polish Dance Club

Chicago, IL

President

September 2023 – May 2024

- 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 effort as deadlines approached

Public Relations Officer

September 2022 – May 2023

- Recruited 11 members in a critical rebuilding year by creating an inviting atmosphere at annual club fair

Dancer

September 2021 – May 2024

- Performed annual cultural dance in front of an audience of 1500+ at annual International Night showcase

Electrical Team Member

October 2021 – March 2023

Axiom FRC Robotics

Chicago, IL

- Aided in the implementation and testing of the Limelight robot vision system, which enabled competition game piece tracking and driving throughout the autonomous period of a match
- Wired and troubleshooted the robot's motors, controllers, sensors, and batteries throughout the build season
- Calculated loads placed on the robot's arm by a new motor system at varying points, and optimized its placement

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, HTML, CSS, MATLAB, Racket, Polish (Native Proficiency)

Technologies: React, Node.js, Express, TailwindCSS, APIs

Developer Tools: Git, GitHub, VS Code, Supabase, Figma

* Indicates work in progress