

# MIGUEL AENLLE

Mount Prospect, IL | P: +1 7736981458 | [maenlle2@illinois.edu](mailto:maenlle2@illinois.edu) | [miguelaenlle.com](https://miguelaenlle.com) | [github.com/miguelaenlle](https://github.com/miguelaenlle)

## EDUCATION

University of Illinois, Urbana-Champaign  
Bachelor's of Science in Computer Science

Champaign, IL  
May 2027

## PROFESSIONAL EXPERIENCE

**Normandy Remodeling** | *Full Stack Software Engineer (Part-Time)* – Remote June 2022 – Present

- Modernized legacy MS Access-based customer database into a [cloud-based platform](#) managing logistical/financial data on **30,000+** customers, **8,000+** projects & **26,000+** customer appointments using React, TypeScript, Azure, NodeJS, ExpressJS, and MongoDB.
- Created [custom, web-based costbook web app](#) to enable price tracking of **1,300+ cost items** per remodeling job.
- Streamlined week-long, pen-and-paper invoice approval process by developing a custom invoice approvals system, which handles **60+ invoices/wk** through its data dashboard, approval workflows, and file generation using React, MS Graph, MongoDB, and NodeJS.
- Collaboratively built the Normandy App with three other developers using Flutter, Dart, and NodeJS, enabling instant, on-the-go access to **600+ professionals'** contact and company information for Normandy Remodeling employees.

**PATHWAYos** | *Software Engineering Intern* – Remote Jun 2023 – Aug 2023

- Independently designed and programmed work-based learning experience matching feature utilizing React, TypeScript, Swift, Xcode, Vapor, and MySQL, successfully deployed to PATHWAYos's platform utilized by **500,000+** students nationally
- Achieved optimal performance and reliability by iterating upon feedback from code reviews, implementing comprehensive unit and integration tests, and leveraging data structures and algorithms knowledge.

**Arrival Networks** | *Full Stack Software Engineer (Part-Time)* – Remote Nov 2023 – Present

- Developed custom, React-based HOA data platform managing **550+** HOAs' data for client Foster Premier property management.

## PROJECTS

**PlatformsAI** Jun 2024 – Present

- Created AI-powered, multi-tenant system that generates custom data management platforms in minutes from business spreadsheets.
- Engineered distributed data cleaning algorithm capable of cleaning **1,700,000+ data cells/min** using Python, spaCy NLP, and Azure.
- Integrated with the GPT-3.5 API to automatically configure platform data dashboards and search settings from the cleaned data.
- Developed drag-and-drop dashboard UI, customizable search results, virtualized tables, and customizable permissions systems with React, ChakraUI, DNDKit, ExpressJS, and TypeScript.

**EasyMeal** Jan 2023 – May 2023

- Engineered app that instantly finds easy, healthy, and accessible meals from **12,000+** recipes with a user's available kitchen ingredients.
- Implemented "Speak [Pantry] Ingredients" feature, transcribing statements & searching thousands of recipes in **under 1 second**.
- Won Apple's Student App Design Challenge for High School District 214. [Presented](#) at Apple's Flagship Michigan Avenue store.

**A Soldier's Journey Home Form Builder** Jan 2022 - Mar 2022

- Developed custom forms builder to handle **500+** legal applications per year, cleaning previously PDF-based forms and automating previously manual signature and waiver collection from volunteers who construct accessible, mortgage-free homes for veterans.

## LEADERSHIP

**HSHacks** | *Founder, Lead Organizer* – Arlington Heights, IL Dec 2022 – May 2024

- Led fundraising, web/system development, marketing, and logistical organization of [HSHacks 2023](#) and [HSHacks 2024](#). Hosted **120+** student attendees from **40+** Chicago-area schools in 2024. Featured on [local news](#).
- Directed eight-student team in fundraising **\$2500** and acquiring **\$42000** in software/technology prizes from **17** corporate sponsors.
- Programmed React-based website, driving **200+** student signups, and used Python to scrape LinkedIn, YCombinator, and IL High School Association, obtaining **380+** sponsors' information and **630+** principals' information for fundraising & marketing.

**Hersey Developers** | *Founder, Director* – Arlington Heights, IL Dec 2022 – May 2024

- Partnered with Township High School District 214 to launch academically-accredited Computer Science internship program.
- Directed 2023 and 2024 Cohorts. In 2024, collaborated with three other team leads to direct **30** student interns through React frontend and NodeJS backend development coursework and the creation of four websites for use throughout District 214.
- Utilized Figma to architect internship products and communicate end visions to interns, Notion for project management, GitHub for collaborative programming and code reviews, and Discord to lead weekly standup meetings and 1-1/pair-programming meetings.

**JHHS Hack Club** | *Founder, Lead Organizer* – Arlington Heights Sep 2022 – May 2024

- Founded, organized, and led **50+** member CS club, the largest student-led organization by membership at John Hersey High School. Hosted weekly computer science workshops on AI, VR, web development, and game development.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Python, SQL, HTML5, CSS, Swift, Java

**Technologies/Frameworks:** ReactJS, TailwindCSS, ChakraUI, NodeJS, ExpressJS, MongoDB, MySQL, Jest, Supertest, Azure, GCP, Numpy, Pandas, OpenAI APIs, SpaCy NLP, Git/GitHub, Firebase, NextJS