Miguel Aenlle

miguelaenlle.com | LinkedIn | GitHub | Email

Skills

- **Programming Languages:** TypeScript, JavaScript, Swift, HTML, CSS, Python, Java
- **Libraries and Frameworks:** React, Node.js, Express.js, TailwindCSS, SwiftUI, Jest, Supertest, Vapor, FluentORM, Pandas, Numpy, Selenium, BeautifulSoup
- **Technologies:** Firebase, Google Cloud, Azure Cosmos DB, REST APIs, Mongoose, MongoDB, MySQL, Heroku, Git, GitHub, Bcrypt, JWT, Jira, Confluence, Trello, Notion

Experience

Software Engineer   June 2022 - Present
Normandy Remodeling | Remote   Part-Time

- Modernized legacy Microsoft Access-based customer database into a custom cloud-based platform managing logistical & financial data on 30,000+ customers and 8,000+ remodeling jobs
- Developed custom, web-based costbook software that automates price updates on 1,300+ cost items per job
- Developed proprietary Gantt Chart timeline software for designers to manage project timelines
- Leveraged React, Azure, MongoDB, NodeJS, Express to integrate software into Normandy's intranet Sharepoint site

Software Engineering Intern   June 2023 - August 2023
PATHWAYos | Remote   Internship

- Independently developed frontend and backend of work-based learning experience matching feature to be deployed to 800,000+ students across the US
- Iterated the feature using design, implementation, and technical feedback from product and engineering teams
- Leveraged Typescript React, Vapor, and MySQL to develop the feature

Founder and Lead Organizer   December 2022 - Present
Hersey Developers | Arlington Heights, IL   Initiative

- Partnered with Township High School District 214 to launch academically accredited Computer Science internship program
- Directed 16 interns through frontend and backend development coursework and the development of 3 websites for use throughout District 214

Founder and Lead Organizer   December 2022 - Present
HSHacks | Arlington Heights, IL   Initiative

- Organized hackathon building websites & apps for local veterans' mental health nonprofit Project Headspace and Timing with 80+ student attendees from 25+ Chicago-area high schools. Featured on local news
- Established partnerships with 9 corporate sponsors to offer $12,000+ in prizes and to fund the event

Founder and Director   September 2022 - Present
Hersey Hack Club | Arlington Heights, IL   Initiative

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

Full Stack iOS Developer   June 2021 - June 2022
John Hersey High School | Arlington Heights, IL   Freelance

- Developed custom SwiftUI app Scatter, enabling JHHS administrators to access student data by scanning student IDs
- Reduced data access times from 1 minute to 1 second
- Platform provides educators access to data on 2,000+ students through iOS app and admin page
- Developed specialized app TidyNote to enable SPED educators to view 200+ SPED students' homework lists and provide personalized instructional aid

React Developer   January 2022 - March 2022
A Soldier's Journey Home, National Nonprofit | Arlington Heights, IL   Freelance
- Developed custom forms builder, cleaning previously PDF-based forms and automating previously manual signature and waiver collection of volunteers.
- Platform handles 500+ legal applications per year. Interviewed on local news for building the platform.

Projects

EasyMeal   January 2023 - May 2023
Full Stack Web and iOS Developer
- Developed iOS app and website that instantly finds easy, healthy, and accessible meals using a user's available kitchen ingredients
- Aggregated 12,000+ recipes for the backend, developed voice transcription system for "Speak Ingredients" feature, and contributed to frontend development
- Winner of Apple's Student App Design Challenge. Presented at Apple's Flagship Michigan Avenue Store
- Popular vote winner of Git Init 2023, an international hackathon with 280+ participants

Peer-to-peer Rentals Platform   January 2021 - April 2021
Full Stack Application Developer
- Worked with designer and 3 other freelance developers to build iOS peer-to-peer rentals app
- Developed payments backend using Firebase, Algolia, Stripe, and Google Cloud
- Created app frontend based on designer's Adobe XD designs

Stock News Aggregator   June 2020 - August 2020
Python Developer
- Developed Python scraping system to aggregate historical stock news on 10+ years of data for 6,000+ stocks
- Garnered 4,400+ downloads and 40,000+ views on Kaggle from data science and algorithmic trading communities

Education

John Hersey High School   August 2020 - June 2024
Cumulative GPA: 4.7 Weighted/4.0 Unweighted

Notable Coursework: AP Calculus BC, DE Calculus III, DE Differential Equations, AP Computer Science Principles, AP Computer Science A, AP English Literature, AP English Language, AP Physics 1, AP Human Geo, AP World History, AP US History