

ENES DEMIREL
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EDUCATION

DePaul University

B.S. in Mathematics and Computer Science
GPA: 3.84, Major GPA: 3.95

Chicago, IL

Sep. 2023 – Exp. June 2027

WORK EXPERIENCE

Software Developer Intern

Airblox

Schaumburg, IL

June 2025 – Present

- Building React components based on a design system provided by the UI/UX team.
- Using GitLab, Storybook, and Figma to collaborate and maintain consistent visual standards.
- Contributing to a frontend codebase used by a growing development team.

DePaul University, College of Science and Health

Jan. 2025 – Present

- Modeled a Crab Nebula-inspired signal by rotating synthetic 2D point clouds and optimizing a kernel-based objective; implemented angle estimation via bisection and built an interactive `matplotlib` slider to explore angle dependence.
- Implemented and tested an AGD-Until-Guilty method (JAX) to certify convexity and surface counterexamples via witness pairs; evaluated behavior on convex and non-convex functions.

Grader

DePaul University, College of Computing and Digital Media

Chicago, IL

Jan. 2025 – Apr. 2025

- Graded assignments for 90+ students in Data Structures, providing feedback to improve understanding and collaborating with professors to ensure consistent grading standards.

PROJECTS

Master the Masters

Next.js, TypeScript, Prisma, Supabase (PostgreSQL), Mantine, Tailwind CSS

Aug. 2025

- Built a tracker that organizes schools by tiers, groups by location, tracks application stages, supports quick search and editing, and provides rich profiles with logos and MS program type.
- Implemented Next.js Route Handlers with Prisma on Supabase Postgres for CRUD, client-side filtering, soft-delete with reason and restore, and logo enrichment via external API.
- Designed a responsive desktop/mobile UI using Mantine components, Tailwind utility styles, modals, and in-app notifications.

Occasion

Next.js, TypeScript, Prisma, Clerk Auth, Railway, Vercel, MySQL

June 2025

- Built a full-stack event management platform with RESTful API endpoints and Zod schema validation for date restrictions, time conflict prevention, and data integrity across 8 event categories.
- Implemented Clerk authentication with protected routes and middleware to sync user sessions, enabling per-user event creation and tracking with relational database queries using Prisma ORM.
- Designed a responsive UI with Shadcn components featuring dynamic time selection, calendar date pickers, category filtering, and real-time form validation with toast notifications.

Facial Attribute Classifier

TensorFlow, Keras, NumPy, OpenCV

May 2025

- Built a machine learning model using TensorFlow and Keras to classify facial image attributes from grayscale images.
- Trained the model on a custom dataset and evaluated accuracy using a separate validation set.
- Created a live camera interface with OpenCV to detect faces and apply real-time classification.

SKILLS

Programming Languages: Python, C++, C#, Swift, Java, JavaScript, TypeScript

Tools and Frameworks: Git, GitLab, React, Next.js, NumPy, TensorFlow, Tkinter, SQLite3, Figma, Storybook, Jira

CERTIFICATIONS

Machine Learning Specialization

– Stanford University (Coursera, 2025)

AWARDS

Dean's List

DePaul University

Fall 2023, Winter 2023, Spring 2024, Fall 2024, Winter 2025

Sep. 2023

Presidential Scholarship

DePaul University

Sep. 2023

LEADERSHIP / MENTORSHIP

Treasurer

DePaul AI Club, DePaul University

Chicago, IL

Oct. 2025 – Present

- Founding member managing the club's budget, financial records, and funding for AI-related workshops while collaborating with the executive team to organize events and foster member engagement.

Treasurer

Turkish Student Association, DePaul University

Chicago, IL

Jan. 2025 – Present

- Founding member managing the club's budget, financial records, and event planning while collaborating with the executive board to organize cultural and community-building activities.

Student Mentor

Keystone Youth Center

Chicago, IL

Aug. 2022 – Present

- Mentor for middle school through college students, providing academic guidance, emotional support, and organizing programs that foster engagement and personal growth.