

TELMEN BAYARBAATAR

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EDUCATION

University of Maryland

B.S. in Computer Science

Montgomery College

A.A. in Computer Science; GPA: 3.9

Expected June 2027

College Park, MD

May 2025

Rockville, MD

- **Relevant Coursework:** Computer Science I & II (Java), Calculus II, Statistics, Discrete Structures, Linear Algebra
- **Certifications:** Machine Learning Specialization (DeepLearning.AI), Attended Amazon Campus Prep Series-2025

TECHNICAL SKILLS

Languages: Python, Javascript, Java, C++ , Typescript, Bash

Tools: Git, Docker, AWS (EC2, S3), Vercel, Figma, Stripe, Firebase, Postman, Jupyter Notebook

DB & Backend Technologies: Node.js, MongoDB, PostgreSQL, Prisma, Supabase, SQL, Express.js

Python libraries: TensorFlow, PyTorch, Matplotlib, NumPy, Pandas, ScikitLearn

EXPERIENCE

Montgomery College

Undergraduate Research Assistant

Aug. 2024 – May 2025

- Programmed an Nearest-Neighbor-Nim game solving algorithm on a 3 vertex graph in **Java** and **Javascript**.
- Leveraged memoization, dynamic state-space pruning, and efficient key generation for game state tracking.
- Automated analysis of **600,000+** game configurations states with Excel export via **Apache POI** for finding patterns

TSESSEBE Technologies

Software Development Intern

Nov. 2024 – Feb. 2025

- Developed a dashboard interface for workshops, enabling secure access with **Firebase authentication**.
- Integrated **Stripe API**, allowing users to purchase premium workshops seamlessly and securely.

Headstarter AI

Software Engineer Fellowship

Aug. 2024 - Oct. 2024

- Developed **ConvoFlash**, an AI-driven flashcard app supporting **99+** languages, using **OpenAI API**, **Firebase Database**, **Stripe API**, and **Clerk Auth**; deployed on Vercel for real-time, scalable access.
- Built an **AI Amazon Customer Support Bot** with **OpenAI API** for Amazon policy queries, and scalable backend services with **Node.js** and **Next.js**.

LEADERSHIP

Raptors Who Code

ACM Chapter & Club President

Nov. 2024 - May 2025

- Hosted MC's inaugural hackathon with **100+ registrations**; recognized as The Best Club Event of the Year.
- Organized all aspects of planning, sponsorship outreach, and catering; received a total of **\$3,000** in funding.
- Led biweekly LeetCode sessions and a Guest Speaker Series featuring tech professionals for **450+** members.

PROJECTS

[SONE - Fidelity Investments Best DEI Hack](#) | *React Native, Firebase, Expo, Typescript*

- Cross-platform app enabling patients with limited mobility to communicate with nurses via push notifications.
- Implemented smooth sign-in/sign-out logic and streamlined authentication processes using **Firebase**.

[Forkcast](#) | *Typescript, Python, Pandas, React, PostgreSQL, FastAPI*

- A demand forecasting tool for restaurants that automates inventory planning and predicts item-level ordering.
- Built a **relational database**, enabling data to flow both ways for ML model training and updating predictions.

[IMGtocal](#) | *Google Calendar API, React, Node.js, Tesseract.js, OpenAI, Supabase*

- Built using **Tesseract.js**, and **OpenAI API** to extract event details from **JPG** or **PNG** and sync with Google Calendar.
- Integrated **Supabase** for authentication, drag-and-drop uploads, OCR, AI-powered data parsing.