

TELMEN BAYARBAATAR

240-789-9019 | bayarakh@gmail.com | [linkedin.com/in/telmen](https://www.linkedin.com/in/telmen) | github.com/telmen | telmen.info

EDUCATION

University of Maryland

B.S. in Computer Science

Expected May 2027

College Park, MD

Montgomery College

A.A. in Computer Science; GPA: 3.94

May 2025

Rockville, MD

- **Relevant Coursework:** Computer Science I & II (Java), Calculus II, Statistics, Discrete Structures, Linear Algebra
- **Leadership:** RaptorTank 1st Place, STEM and SMLP Scholar, SGA Senator, MC LEADS, STEM Ambassador

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, HTML/CSS, SQL

Developer Tools: Linux, Git, Docker, AWS (EC2), Vercel, Figma, Stripe, Firebase, Supabase, PostgreSQL

EXPERIENCE

Montgomery College

Aug. 2024 – May 2025

Undergraduate Research Assistant

- 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

Nov. 2024 – Feb. 2025

Software Development Intern

- 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

Aug. 2024 - Oct. 2024

Software Engineer Fellowship

- 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

Nov. 2024 - May 2025

ACM Chapter & Club President

- 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**.

[System of Linear Equation Calculator](#) | *Python, NumPy, Pandas*

- Created a Python-based calculator using **NumPy** for solving systems of equations with high efficiency.
- Applied the **Gaussian elimination method** to solve complex linear systems with **100%** accuracy across diverse datasets.

[Forkcast](#) | *Typescript, Javascript, Python, CSS, Pandas, React, Vite, Supabase, Tailwind CSS, TanStack Query*

- A demand forecasting tool for restaurants that automates inventory planning.
- Developed a full-stack data pipeline to ingest, preprocess, forecast, and visualize sales data