TELMEN BAYARBAATAR

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EDUCATION

University of Maryland   **Expected May 2027**
B.S. in Computer Science   *College Park, MD*
Montgomery College   **May 2025**
A.A. in Computer Science; GPA: 3.94   *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
Developer Tools: Linux, Git, Docker, AWS (EC2), Vercel, Figma, Stripe, Firebase, Supabase

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 **Next.js, Firebase, Stripe,** and **Clerk Auth**; deployed on Vercel for real-time, scalable access.
- Built an **AI Amazon Customer Support Bot** with **React, Material-UI,** and **OpenAI** for Amazon policy queries, integrating secure APIs 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.

Unhookd | *Swift, Python, Figma, Numpy, Pandas, Matplotlib, Xcode*
- Mobile app that helps users combat addiction by limiting access through journalism and self-tracking with reports.
- designed in Figma, developed using Swift for iOS, and integrated Python libraries to analyze user behavior data and visualize trends.