

Ryan Rahman

📞 202-934-1830 ✉ ryan.s.rahman2@gmail.com 🔗 linkedin.com/in/ryanrahman2/ 🌐 github.com/ryanrahman1
🌐 ryan.nichemusic.app

Experience

Niche Music, LLC

November 2025 – Present

Founder & Lead Engineer

Gaithersburg, MD

- Founded and lead development of a social music discovery platform with 600+ active users across iOS, macOS, Windows, and web.
- Designed the iOS app, backend infrastructure, recommendation systems, and product strategy while leading a team of five.
- Built backend systems using Fastify, PostgreSQL/Supabase, Cloudflare Workers, and R2 for social, music, messaging, and media features.
- Grew the editorial platform to 70,000+ monthly views and Instagram content to 10,000+ monthly views with ~12% engagement.

Bridges Initiative

June 2026 – Present

App Developer & Documentary Fellow

Gaithersburg, MD

- Independently developing an AI/RAG-based personalized vaccine benefit-risk calculator and website.
- Co-creating an educational video to be reviewed for the MCPS Health Education curriculum and a documentary sponsored for the 2027 World Vaccine Congress.

Peerblooms

September 2025 – Present

Vice President, Lead Developer, Tutor

Gaithersburg, MD

- Lead development for an organization supporting neurodivergent students through tutoring and educational programs.
- Built the full online platform, including enrollment, parent-tutor communication, and student tracking.
- Tutor students and contribute to organizational strategy, outreach, and events.

Education

Poolesville High School

Expected May 2027

High School Diploma, Humanities Magnet Program

Poolesville, Maryland

- **GPA:** 3.93/4.00 Unweighted, 4.88/5.00 Weighted
- **Relevant Coursework:** Multivariable Calculus, AP Calculus BC, AP Physics C, AP Computer Science A (Java), Analysis of Algorithms / Data Structures, Intro to AI/LISP

Honors

World Vaccine Congress 2027: Vaccine Hesitancy Documentary Sponsored for Screening

SAT: 1540 (780 Evidence-Based Reading and Writing, 760 Math)

National History Day: Maryland State Finalist (Group Documentary)

Projects

To The North | Blender, Unity

Jan 2025 – Present

- Designing a stylized narrative RPG inspired by Slavic folklore using Unity and Blender.
- Create hand-painted 3D environments, characters, cinematics, gameplay systems, lore, and promotional animations.

National History Day, Maryland State Competition | Documentary, Research, Scriptwriting

Apr 2026 – Present

- Created a documentary on NBA desegregation using 150+ primary and secondary sources; advanced to the top 5 at the Maryland State Competition at UMBC.
- Served as sole video editor and wrote roughly 40–50% of the script.

Skills

Languages: Swift, TypeScript, JavaScript, Python, Java, C#, SQL

Cloud & Infrastructure: Cloudflare Workers, Cloudflare R2, PostgreSQL, Supabase, Custom CDN's

Frameworks & Frontend: React, Next.js, Fastify, Node.js, SwiftUI, WebSockets

Machine Learning & Tools: TensorFlow, PyTorch, Pandas, Git, REST APIs