Aaron Prager

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EDUCATION

British International School of Boston **Expected May 2027**
IB Diploma Programme Candidate

- HL (predicted): Mathematics: Analysis & Approaches (7), Physics (7), Chemistry (7)
- SL (predicted): Business Management (7), Spanish (7), English A: Language & Literature (6)
- IGCSE: A* in all 9 subjects

Standardized Testing

- SAT: 1530 (Math 790, Reading & Writing 740) · August 2025
- AP Computer Science A: 5 (Grade 9) · May 2024

Russian School of Mathematics **2016 – 2025**

- Advanced math program from Grade 2 through Grade 10, working ahead of school level; completed AP Calculus BC coursework in Grade 10

KTByte Computer Science Academy **2023 – 2025**

- Completed core and college-level courses, including applied data structures and intermediate algorithms

Y Combinator Startup School, San Francisco **July 2026**

- Selected for the in-person program; admitted based on software projects, USACO achievements, and entrepreneurship with 5% acceptance rate out of 30,000 applicants

ACADEMIC & TECHNICAL HONORS

- National Winner, Congressional App Challenge: advanced from district to Eastern region to national · 2025
- Grand Prize, MIT Solve AI for a Better World Challenge: awarded for BoostT1D · 2026
- National Merit Scholarship Semifinalist · 2026
- USA Computing Olympiad, Platinum Division: progressed from Bronze (2021) · 2026
- Congressional Certification for Open Source: U.S. House of Representatives, via Congressional Hack Club · 2025
- College Board School Recognition Award · 2024
- 1st Place, Hack the Castle Hackathon: Mind Echo · 2026

TECHNICAL EXPERIENCE

Founder & Developer, BoostT1D **2024 – Present**
boostt1d.com · App Store. AI-powered web and iOS platform that turns continuous glucose data into insight for people with Type 1 Diabetes

- Solo developer; iOS app live on the App Store with about 2,000 downloads; Android port begun August 2026
- Merges CGM data from Nightscout, Dexcom Share, and LibreLinkUp
- Designed an on-device analysis engine (Swift, SwiftUI, SwiftData): pattern detection, therapy-settings review, change-outcome tracking, and an exportable clinical summary PDF; 173 automated tests in 28 suites
- Added AI meal-photo carbohydrate estimation
- Web platform (Next.js, TypeScript, PostgreSQL/Prisma, Vercel): accounts, admin tools, peer matching, and a support program connecting newly diagnosed kids with vetted teen mentors
- Featured by the Boston Globe, Boston 25 News, and others; full list at aaronprager.dev/recognition/news

iOS Developer Intern (paid), Resolventum **Summer 2026**
resolventum.com · Scheduling platform for small schools

- Designed and implemented core features of a mobile companion app in Swift and SwiftUI
- Feature development and testing on web platform

Math & Computer Science Tutor, Easy STEM School **2024 – Present**
easystemschool.com

- Tutor students in mathematics, SAT Math, and introductory computer science

Independent Project: Open-Source Automated Insulin Delivery **2025 – Present**

- Read and modified the source of OpenAPS and Trio for personal use; runs DIY Trio with a Dexcom G7 and Omnipod for automated insulin delivery

LEADERSHIP & SERVICE

Delegate, Breakthrough T1D Children's Congress **2025**
cc.breakthrought1d.org/delegates/aaron-2

- Selected to represent Massachusetts; met with members of Congress to advance Type 1 Diabetes research and policy

Co-Moderator, Russian-Speaking T1D Community **Ongoing**
facebook.com/share/g/19p2kW2XM1

- Help run an online community of 8,000+ families; provide peer mentorship, diabetes resources, and guidance for newly diagnosed families

Youth Advisory Committee Member, Boston Children's Hospital Endocrinology Department **Ongoing**

- Advised clinicians on diabetes care, technology, and the patient experience for youth with Type 1 Diabetes

Youth Advocacy Leader, Breakthrough T1D **Ongoing**

- Organized a Breakthrough T1D Walk team and fundraisers for Type 1 Diabetes research
- Advocate for T1D research and healthcare access through legislative outreach and public speaking; featured in Breakthrough T1D's Youth Advocacy Leader spotlight (2026)

COMPETITIVE BALLROOM DANCE

Ten Dance Competitor (International Standard & Latin) **Age 7 – Present**

- World Finalist (5th place), Youth Standard, Embassy Ball, Los Angeles · 2025
- U.S. Bronze Medalist, Youth Standard, United States Dance Championships (USDC), Orlando · 2025
- Trains 10 hours per week: Standard at Todos Dancesport Studios; Latin at Top Dance Studio and Dance Fever Studio
- Youth ballroom instructor, Todos Dancesport Studios

SKILLS & INTERESTS

- Programming: Swift/SwiftUI, SwiftData, TypeScript, React, Next.js, Node.js, PostgreSQL, Prisma, Git/GitHub, Vercel, Swift Testing, PDFKit
- Languages: English, Russian, Spanish (IB SL)
- Interests: Dancing, cooking, finance, entrepreneurship