RYAN MCLAREN CORTENBACH

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EDUCATION

School of Engineering & Applied Science, Columbia University, New York, NY   **09/2025-06/2029**
Bachelor of Science, Class '29, Majoring in Computer Science with a Minor in Applied Mathematics

Coral Academy of Science, Las Vegas, NV   **08/2019-06/2025**
Valedictorian (1/163), GPA: 4.0 (6.275 Weighted); Took 17 AP Classes

PROFESSIONAL EXPERIENCE

Software Engineer Intern
Amazon | Seattle, WA   **05/2026**
- Undertaking 3-month SWE summer 2026 internship at Amazon, received alongside $40K Amazon Future Engineering Scholarship

Information Technologies (IT) Support Technician
Clark County IT Department | Las Vegas, NV   **06/2025-08/2025**
- Developed new budgeting system for Treasurer Dept. (w/ Power Apps), modernizing 60+ outdated Excel sheets impacting ~40 projects & 60K+ constituents

Co-Founder / CEO   **04/2023-06/2025**
VDAARA Pharmaceuticals | Online E-Commerce Brand
- Successfully launched and scaled skin, hair supplement white label brand through Amazon FBA.
- Managed paid advertising, sales, & product design; Developed extensive direct-to-consumer marketing & sales skills.
- Profitable venture reaching ~23% profit margins, sold over 300 units, maintained a 4.4-star rating. Trademarked core product formulas through US Patent Office.

RESEARCH / PROJECTS

SUPAHEALTHY | iOS App Studio Owner / Chief Marketing Officer   **07/2025-Present**
- Building & distributing a portfolio of iOS apps inside the edtech (MoreReads), productivity (BananaNote AI), and health (Almonds) niches. Achieved 150+ downloads, $500+ ARR, and 5.0-star average rating.

AI Cardiovascular Disease Research Project | University of Cambridge   **07/2023-02/2024**
- Collaborated with Dr. Shadi Ghiasi over seven months to develop multiple ML/AI models that accurately diagnose at-risk patients with cardiovascular disease.
- Models (90.28%) had outperformed traditional cardiologist diagnosis (74.9%).
- Presented research to cardiologists & hospitals across Las Vegas, advocated for implementation.

PUBLICATIONS

Cortenbach, RM (2023). "Rheumatic Heart Disease: In-Depth Review." *Elio Academy of Biomedical Science*. 12/2023.

ADDITIONAL INFORMATION

Community Engagement: Chess Club Founder & President (2023-2025) · Speech Debate VP (2019-2025) · Student Council Chair (2022-2025) · Varsity Golf Team (2022-2025)
Awards: Amazon Future Engineer Scholarship Recipient (6.3%, $40K) · Elks MVP Student Scholarship Finalist (2.3%, $4K) · The Gates Scholarship Semifinalist, 2nd Place · Beal Bank Science Fair UNLV (2024) · Harvard Book Prize (2024) · 2x 1st Place, Congressional App Award ('23, '24) · 1st Place, TheCoderGames (2021)
Languages: English (Native), Russian (Fluent), Spanish (Intermediate), Chinese (Elementary)