Marc Pashin

pashin@berkeley.edu • Berkeley, CA • https://www.linkedin.com/in/marcpashin/

EDUCATION

University of California, Berkeley **Expected May 2028**
B.A. Data Science & B.A. Neuroscience **Cumulative GPA: 3.92/4.00**

Relevant Coursework: Calculus, Linear Algebra & Diff Equations, Financial Accounting, Marketing, Data Structures and Algorithms
Skills: *Programming Languages:* Java, Python, and C++ | *Web Development:* full-stack, front-end & back-end, HTML, JavaScript, frameworks React and Angular, CSS | *Database Management:* MySQL & PostgreSQL, Tableau, TensorFlow, PyTorch, CoreFlow, and Sklearn | *Design:* Canva, Figma, Adobe Photoshop & Illustrator | *Technologies:* Amazon Web Services, Microsoft Azure, Google Cloud, Snowflake, Jira, Docker

PROFESSIONAL EXPERIENCE

Deveillance **San Francisco, CA**
Robotics and Machine Learning Intern *September 2026 - Present*

- Designing, fabricating, programming, and testing a Cartesian robot to serve as a controlled environment for automated product testing, enabling repeatable and consistent performance characterization of new products under active development
- Developing an ML model that identifies the most semantically important word in a sentence and selectively distorts it to prevent machine interpretation, while preserving the surrounding speech so the rest of the audio stays natural and intact

STEMplore @ STEM For Others **Berkeley, CA**
Lead Developer *July 2024 - July 2026*

- Built STEMplore, a full-stack gamified STEM learning platform reaching 2K monthly active users across 35+ interactive courses; led 50+ curriculum developers and organized 168+ contributors across software design and development teams
- Selected and implemented the platform's full-stack architecture using Next.js, TypeScript, Clerk, Drizzle ORM, NeonDB, Stripe, Zustand, Radix UI, and Tailwind CSS, supporting user auth, payments, state management, and a scalable, reusable UI system

ArticleIP **Palo Alto, CA**
Software Development Intern *February 2025 – January 2026*

- Created a patent-in-a-box platform (patent pending) that uses R-group decomposition to convert complex inventions into USPTO-ready drafts, streamlining a traditionally slow, costly, and manual patent drafting process for inventors & scientists
- Helped serve 901 innovators worldwide and reduce patent drafting time by 85%, contributing to securing $65K in grant funding

Stanford Medicine - Curtis Lab **Palo Alto, CA**
Research Assistant & Machine Learning Intern *January 2025 - June 2025*

- Developed a graph convolutional network (GCN) to predict spatial protein expression from H&E-stained whole-slide images, integrating predicted cell types, spatial coordinates, and cell-cell adjacency relationships across 64 spatial proteomic markers
- Achieved statistically significant agreement between predicted and ground-truth expression in 5 of 64 protein markers, demonstrating the feasibility of inferring molecular information directly from routine, low-cost H&E histology slides

HireAI **Mountain View, CA**
CEO & Founder *January 2024 - January 2025*

- Fine-tuned Llama 3.1 with LoRA for automated resume ranking and candidate evaluation, improving agreement with human recruiter rankings by 28% compared to GPT-3.5 and Claude; launched and grew the product to $12K revenue across 32 clients
- Built a real-time AI interviewer that dynamically generated tailored interview questions and context-aware follow-ups based on candidate responses, enabling scalable first-round interviews and reducing recruiter screening time-to-hire by 80% for clients

PROJECTS & LEADERSHIP

Nucleate Dojo | VP of Dojo Explore May 2026 – *Present*

- Co-developing a biotech entrepreneurship curriculum for college students entering venture creation, designing interactive workshops on ideation, customer discovery, intellectual property, fundraising, and commercialization strategy

STEM For Others | *Co-Founder & Co-President* *July 2023 – July 2026*

- Recruited and managed 800+ volunteers worldwide to deliver free engineering programs to middle schoolers, impacting 11,500+ students; raised $9K in funding to keep all programming free and launched the STEMplore online learning platform (2K MAU)
- Established 130+ in-person after-school programs across 4 continents, serving students from elementary through high school with free, hands-on STEM programming, complemented by 35+ online STEMplore courses built by 50+ curriculum developers

AWARDS & INTERESTS

Awards: Mercatus Emergent Ventures Grantee, 2nd Place @ Bronco Venture Fund Demo Day, 2nd @ Blockchain at Berkeley Hackathon
Interests: Skiing, Hiking, Mountaineering, Off-Roading, Surfing, Rock Climbing, Cooking, Soccer, House Music, Marathon Running