

Summer Internship Roles

Objective

These roles work together to build a secure, personalized, and scalable version of RazeMath. The team will improve the quality of AI-generated explanations, enhance the app's core features, ensure accessibility and compliance with institutional standards, and gather insights from users to shape a better learning experience. Together, they support our goal of making RazeMath ready for adoption by colleges and students by the end of the summer.

Roles

AI/ML Engineer – Personalized Learning & AI Optimization

Objective:

Improve the quality of math explanations and practice problems by optimizing prompts, analyzing user behavior, and contributing to the foundation of a custom AI model.

Helpful Prior Experience:

- Python and experience with LLMs (e.g. Hugging Face, LangChain)
- Familiarity with NLP or machine learning workflows
- Bonus: Strong math background or experience with tutoring tools

Full-Stack Engineer – Feature & Dashboard Implementation

Objective:

Build and enhance core platform features, including SSO integration and an instructor insights dashboard, while helping finish the full-stack app infrastructure.

Helpful Prior Experience:

- Frontend experience with React, Next.js, or similar frameworks

- Backend/API development using Node.js, Firebase, or Supabase
 - Bonus: Familiarity with authentication tools (OAuth, Auth0)
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Data Analyst – User Feedback & Personalization

Objective:

Analyze platform usage and feedback to uncover UX pain points, support AI personalization, and guide product direction through data-backed insights.

Helpful Prior Experience:

- Data analysis with Python (pandas), SQL, or Excel
 - Data visualization tools like Tableau, matplotlib, or PostHog
 - Bonus: Experience analyzing user behavior or running A/B tests
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Cybersecurity & Compliance Engineer – Security & Compliance Strategy

Objective:

Support institutional partnerships by ensuring the platform meets FERPA, ADA, and general data privacy requirements, and by helping prepare key documentation for procurement.

Helpful Prior Experience:

- Knowledge of data privacy or cybersecurity fundamentals
 - Experience researching and writing policy documents
 - Bonus: Understanding of FERPA, ADA, VPAT, or higher-ed procurement
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UI/UX Engineer – User Experience & Feedback Loops

Objective:

Improve product usability by gathering student and instructor feedback, testing accessibility, and contributing to designs and experiences that support learning at scale.

Helpful Prior Experience:

- Comfortable conducting interviews or user testing
- Familiarity with UX design tools (Figma, Canva, etc.)
- Bonus: Experience with accessibility audits (e.g. Lighthouse, WAVE)