

Jacob Maynard

Contact

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Education

Saint Louis University 8/25-5/27
MS | Artificial Intelligence
GPA 4.0

University of Utah 8/21-5/25
BS | Computer Science
Certificate in Data Science

Expertise

- Software Development
- Frontend + Backend
- Data Science
- Data Visualization
- Machine Learning

Skills

- JavaScript, Typescript
- React, Solid, Next.js, Tanstack
- Electron, Winforms + WebView2
- Node.js, Bun
- Cloudflare, AWS, Docker
- D3.js, Motion.js
- TailwindCSS
- React Native
- Python
- C#, .NET
- PostgreSQL, SQLite
- Custom MCP and AI tooling

Profile

Software engineer with experience in startup product development, industry internships, and open-source projects. Skilled in frontend UI development, backend systems, databases, machine learning, data visualization, and cloud platforms including AWS and Cloudflare. Passionate about working with talented people, tackling challenging problems, and continuously learning new technologies and approaches.

Professional Experience

Founding Engineer

Syntch, LLC. | St. Louis, MO 8/2025 - Present

- Designed and implemented a full-stack web application for [CoRATES](#), a platform for collaborative research appraisal and evidence synthesis.
- Built a real-time collaborative platform with SolidJS, Cloudflare Workers, Durable Objects, R2, and D1, enabling live multi-user workflows.
- Built data synchronization and state-management workflows to support complex, multi-step processes.

Software Engineering Intern

Applied Research Associates (ARA) | Rapid City, SD Full-time on site: 5/25 - 8/25

Part-time remote: 8/25 - Present

- Technical lead on classified U.S. Air Force data visualization systems, owning complex features end-to-end
- Built .NET/C# applications, interactive D3.js visualizations, and Python-based analysis workflows
- Identified and solved challenging technical problems, introduced tools and approaches that improved productivity
- Retained part-time remotely during the academic year based on performance and impact

Computer/Data Scientist Intern

5/24 - 8/24

Applied Research Associates (ARA) | Rapid City, SD

- Led development of an aircraft survivability modeling and simulation tool, converting a Python prototype into a polished software product
- Owned end-to-end development and greenfielded modern technologies adopted by the team

Select Projects

Where's Religion?

Tech lead on a web and mobile app through Open Source @ SLU, working with a client and leading an undergraduate capstone team to deliver improvements, features, and redesigns.

Personal Website

Portfolio website built with Preact, TypeScript, Tailwind CSS, GSAP, Framer Motion, Lenis, and Vite, showcasing projects and interactive UI components and animations.

BeThere Photo Sharing App

Cross-platform photo sharing app built with React Native and Expo, featuring camera capture, social feeds, and content moderation. Backend built in .NET and hosted on AWS EC2 with media stored in S3. Accompanied by a React marketing website. Senior capstone project.