

# Allyson Keightley

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## EDUCATION

### Western Governors University

Bachelor of Science in Software Engineering

Salt Lake City, UT

Exp May 2028

## TECHNICAL SKILLS

**Languages:** Python, JavaScript/TypeScript, C#, Dart, SQL, HTML/CSS

**Frameworks & Libraries:** React, Next.js, ShadCN UI, .NET MAUI, Flutter, Node.js, Express, FastAPI

**Tools & Platforms:** Git, GitHub, GitHub Actions, Postman, Figma, AWS, Google Cloud Platform, Supabase

**Certifications:** Google Generative AI Leader, Google IT Support, AWS Future AI Engineer, CodePath Advanced Web Development

## EXPERIENCE

### Incoming Mobile Application Intern

*Itron — Global smart energy and water industries*

Incoming April 2026

Liberty Lake, WA

- Supporting the Temetra mobile team in feature development, unit testing, debugging, and implementation with **C#, XAML**, and **.NET MAUI** for global production

### Lead Frontend Engineer Intern

*Todd Agriscience*

January 2026 - Present

Remote

- Collaborating and implementing design from prototype to production for a **Next.js (React/TypeScript)** marketing site and client platform, using **Tailwind CSS, ShadCN, Framer Motion**, with **Vitest** testing and CI/CD for consistent quality
- Shipped an end-to-end help/support modal + dedicated support page that streamlined customer issue intake, improving response readiness by implementing a structured form flow, **validation of data** with **Zod**, and clean UX
- Designing an insights dashboard, **increasing usability** and understanding for non-technical clients by translating metrics into clear status indicators, trend views, and next-step recommendations with **machine learning** models tailored to user workflows
- Leading and mentoring** a small team of company externship participants in weekly development projects and foundations

### Software Engineer & Product Manager Intern

September 2025 - January 2026

*Kahani — Stanford-based startup*

Remote

- Built **cross-platform mobile app** pilot feature with **Flutter, Dart**, and **GCP**; based on insights from user-testing groups and UX/UI Figma design, turn qualitative feedback into prioritized engineering tickets
- Co-authored infra + screen inventory for pilot features (states, edge cases, data flows), cutting design to engineer handoff time by **40%** and reducing open questions per ticket by **70%**
- Set up **MVVM, feature-first** folder architecture, improving code reuse and dropping time by **30%**
- Extended internship: **solo built company marketing website** to production from Figma, delivering a deployment-ready rebuild in 3 weeks—React, Vite, and GCP Firestore + Analytics, with a **Lighthouse Performance score of 98**

## PROJECTS

### CS Course Explorer | *React, Vite, Express.js, OAuth, Railway, PostgreSQL, Docker, Cloud Run*

[View Demo](#)

- Shipped **end-to-end in 2 weeks** by a 3-dev team, owning and co-authoring PRD, scope, error handling and demo
- Achieved fast UX by keeping p95 API under **500ms** in test data, added SQL constraints and indexes for fast reads

### Leukemia Blood Cell Classifier | *Python, TypeScript, React, FastAPI, Tensorflow, Keras, Grad-CAM*

[View Demo](#)

- Fine-tuned ResNet50 classifier on blood-cell microscopy dataset of approx 3.2k images, reaching **97.8% accuracy**
- Built an interactive **React + Vite** dashboard with **Recharts** and Grad-CAM to visualize findings, training, and accuracy
- Used scikit-learn to compute per-class metrics, packaging the full classification report into **JSON** for downstream analysis

## LEADERSHIP & PROFESSIONAL DEVELOPMENT

### Management Leadership for Tomorrow (MLT)

January 2026 - Present

*Career Prep Fellow: Software Engineering Track*

- Accepted into a selective **18-month professional development** program that accelerates the career growth of emerging leaders through structured coaching, mentorship, and targeted business and technical skill-building

### AI4ALL

September 2025 - Present

*Ignite Program: AI/ML Accelerator Fellow*

- Highly **selective 20-week program**—engaging in strong machine learning foundations, **chosen to present project** at symposium, **applying AI** to real-world challenges, and mentorship from industry professionals and academic leaders