

ALLYSON KEIGHTLEY

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EDUCATION

Western Governors University

Salt Lake City, UT

Bachelor of Science in Software Engineering | GPA: 3.0

Exp May 2028

Relevant Coursework: Programming in Python, Version Control, Frontend Web Development, Probability & Statistics, Data Structures and Algorithms, IT Leadership

TECHNICAL SKILLS

Languages: Python, JavaScript/Typescript, Dart, SQL, HTML/CSS

Frameworks & Libraries: React, Next.js, Flutter, Node.js, Express, FastAPI, Tailwind CSS, ShadCN UI

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

Frontend Software Engineer Intern

January 2026 - Present

Todd — Agriscience startup

Remote

- Implementing Figma-driven UI for a **Next.js (React/TypeScript)** marketing site and client dashboard using Tailwind CSS, Radix UI, and **Storybook**, with **Vitest** testing and consistent quality via ESLint/Prettier

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%**
- Authored dev guides that made build reproducible, lowering new-machine setup and unblocking 80% teammates
- Developed CI/CD workflow with **GitHub Actions** to cut PR cycle time with lint/tests
- 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](#)

- Deployed, full-stack student-sourced course intelligence app; reviews with voting, filters, resources
- 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% validation accuracy** using class-weighted training and aggressive augmentation with Keras and TensorFlow
- Built an interactive **React + Vite** dashboard with **Recharts** and Grad-CAM to visualize findings, training vs. validation loss, and accuracy over 45 epochs, to compare learning curves without touching Python
- Used scikit-learn to compute per-class metrics, packaging the full classification report into **JSON** for downstream analysis and for surfacing headline metrics in the web UI

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 hands-on projects **applying AI** to real-world challenges, with mentorship from industry professionals and academic leaders