

LANDON CAMPOS

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SKILLS

Languages: Python, JavaScript, C++, SQL, HTML/CSS

Frameworks/Libraries: ArcGIS, Node.js, React, TailwindCSS, RESTful API, Terraform, Kubernetes, .NET

Tech: Git, Amazon Web Services (AWS), Docker, VS Code, MS Office, AcGIS Pro

EDUCATION

Bachelor of Computer Science, Cal State University San Bernardino

Expected 2026

High School Diploma, Citrus Valley High School

August 2018 - June 2022

EXPERIENCE

Software Engineer Intern

June 2024 - August 2024

ITPI Software Solutions (MAP Initiative)

Redlands, CA

- Integrated large language models (LLMs) into enterprise workflows, enhancing the MAP platform used across California Community Colleges; applied machine learning and AI-driven automation to improve functionality and user experience.
- Developed and optimized backend services in C#/.NET with SQL databases, improving system scalability, elasticity, and responsiveness for high-traffic applications.
- Collaborated in Agile teams using Azure DevOps to create and review pull requests, manage CI/CD pipelines, and ensure code quality through structured version control practices.
- Built and maintained web applications with Next.js and REST APIs, implementing modern frontend frameworks and connecting them with robust backend services.

PROJECTS

fireexplorer (GIS Web Application) [LINK](#)

- Built an interactive wildfire exposure tool using the ArcGIS Maps SDK for JavaScript and Next.js, allowing users to search any California city and view 25 years of nearby wildfire activity sourced from CAL FIRE mapped perimeter data
- Implemented real-time spatial proximity analysis using ArcGIS GeometryEngine, computing dynamic buffer zones around user-selected locations and querying intersecting fire perimeters client-side
- Designed a pan-to-update map interaction that automatically reflects wildfire exposure data as the user navigates the map, eliminating the need for repeated manual searches
- Published and managed hosted feature layers via ArcGIS Online, integrating them into a Next.js frontend deployed on Vercel with environment-secured layer endpoints

NubesLearning (Full-Stack Cloud Native Development)[LINK](#)

- Built a scalable education platform prototype with a React and Tailwind CSS frontend and a Node.js/Express backend, containerized using Docker for consistent local and cloud deployment.
- Developed a CI/CD pipeline using GitHub Actions to build and push Docker images to Amazon ECR, reducing deployment time by 50%, whilst securing AWS credentials via GitHub Secrets.
- Designed AWS infrastructure with Terraform, including VPC, IAM, and 3 public/3 private subnets across multiple availability zones for fault tolerance and production readiness.
- Configured IAM roles and IRSA to enable fine-grained, least-privilege access to AWS services like S3 and DynamoDB from Kubernetes pods, enhancing security and compliance.