# Noah Pragin

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## Summary

Computer science student with full-time, full-stack experience featuring end-to-end problem ownership. Demonstrated execution with cross-functional teams in fast-paced environments. Possesses natural leadership and interpersonal skills, thriving in team settings with growth potential. Dedicated to creating intuitive, user-focused solutions with a framework-agnostic approach.

## Education

**B.S. Computer Science**, *Expected Jun 2026*
**Oregon State University** - Corvallis, Oregon
- FSAE / Global Formula Racing
- Teaching Assistant for Intro to Computer Science II
- New Member Educator and Webmaster at Sigma Chi
- Honor Roll, Jan 2024 - Present

**Relevant Coursework to be Completed by Summer 2025:**
- Machine Learning, Deep Learning, Computer Vision, Intelligent Robots, Applied Robotics, 3D Graphics for Data Visualization, Statistical Analysis, Computer Architecture

## Skills

**Programming Languages:** JavaScript, TypeScript, Python, C++, Java, PHP, Swift, HTML, CSS
**Front-End Technologies**: React, Next.js, Styled Components, JoyUI
**Back-End Technologies:** Django, Node.js, ROS, Express.js, PostgreSQL, RESTful API Design
**Tools & Skills:** AWS Architecture + Integration, GStreamer, Docker, Jenkins, CI/CD Pipelines, Agile (Scrum), JUnit, Jest, Database Management (SQL, NoSQL), Algorithm Design, Web Development, IaC (Terraform), matplotlib, pandas, NumPy

## Experience

**Software Engineer, Intern**, Jun 2024 - Sep 2024
Stealth Startup - Santa Clara, California　　　　　　　***Stack: Django, React, GStreamer, PostgreSQL, ELK, MQTT***
- Delivered safety-critical UAV software and a cloud-based fleet management platform in a startup environment, collaborating closely with a cross-functional team of ~10 hardware, embedded, and drone experts.
- Enabled ML analytics via a cloud-based service for long-term telemetry data storage via PostgreSQL and Django.
- Developed an on-board network benchmarking service to monitor latency, bandwidth, and signal strength, driving a 30% increase in mission-critical data flow consistency.
- Implemented user auth middle-ware for Janus, a video conferencing WebRTC server, enhancing security and eliminating unauthorized access incidents.
- Designed and developed 30+ RESTful API endpoints within 3 weeks using Django, establishing the foundation for user management, drone onboarding, and campaign management to meet aggressive MVP deadlines

**Automated Systems Engineer**, Feb 2024 - Present
Global Formula Racing - Corvallis, Oregon　　　　　　　　　　　　　　***Stack: ROS, C++***
- Collaborated with a global, cross-functional team of 10+ in preparing software for international autonomous racecar competitions, independently managing projects from conception to integration.
- Reduced debugging time by ~40% via health check migration from terminal debugging to system-wide diagnostic nodes, including SLAM, LiDAR, YOLO, camera, sensor fusion, and boundary and trajectory planning.
- Facilitated regular communication channels with alumni and faculty advisors to ensure project alignment.

**Application Developer**, Jun 2022 - Jun 2023
**Application Developer, Intern**, Feb 2022 - Jun 2022
ClearScale - San Francisco, California　　　　　　　　　　***Stack: Express.js, React, AWS, DynamoDB***
- Developed a web application and RESTful API for monitoring cloud infrastructure as part of a 6-member team.
- Conducted 5+ client interviews, mapping customer journeys and driving a 100% increase in customer enrollment.
- Exceeded Sprint goals 85% of the time while completing AWS certification concurrently with full-time employment
- Resolved 40+ urgent hotfixes during peak usage hours, collaborating closely with DevOps.
- Reported development progress to cross-functional stakeholders, emphasizing product value enhancements.

## Certifications/Awards
- AWS Certified Cloud Practitioner, 2022