

Selena Sat

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Experience

Quality & Production Data Support, Safran Group – Redmond, WA December 2025 – July 2026

- Maintained and validated production and inspection data in an AS9100-regulated aerospace environment, supporting accuracy, traceability, and production workflows.
- Investigated data discrepancies and production concerns using documented procedures; created quality documentation, forms, and work packages under QMS and configuration-management processes.
- Collaborated with quality inspectors, engineers, and production teams; performed in-process inspections using procedural checklists and technical documentation.

Computer Science Competition Team Lead, Bellevue College – Bellevue, WA December 2024 – June 2025

- Designed programming challenges in Java, C++ , and Python covering algorithms, problem solving, and programming fundamentals.
- Tested and debugged reference solutions for correctness, edge cases, and expected performance; collaborated on technical problems, documentation, and contest materials.

Open-Source Software Intern, CodeDay – Bellevue, WA January 2024 – March 2025

- Developed and tested features for an open-source energy data visualization platform using JavaScript/TypeScript and Mocha/Chai.
- Debugged software issues, reviewed code, and participated in distributed Agile-style development through stand-ups, team meetings, and technical discussions.

Research Assistant, Bellevue College – Bellevue, WA November 2023 – June 2025

- Maintained and updated web applications and servers under faculty supervision; troubleshoot webpages, forms, scripts, and links.
- Created and optimized graphics, animations, and digital media for web deployment.

Projects

Terraform Serverless Document Processor – AWS, Terraform, Python, GitHub Actions [GitHub](#)

- Designed an event-driven serverless workflow using AWS S3, Lambda, DynamoDB, SNS, and CloudWatch.
- Provisioned infrastructure as code with Terraform; processed object-upload events and persisted processing metadata in DynamoDB.
- Used GitHub Actions for repeatable development workflows and documented infrastructure planning and validation with Terraform plan/apply.

Interactive Speech Therapy Application – React, Node.js, Python, SQLite, OpenAI/Whisper API

- Developed a full-stack application for speech therapy activities and progress tracking, with responsive React interfaces and Node.js backend components.
- Used SQLite for data storage and integrated Whisper/OpenAI APIs and machine-learning functionality to analyze speech and provide feedback.
- Designed patient and clinician workflows emphasizing accessibility, usability, and clear data presentation.

Education

Bellevue College – BS in Computer Science

September 2021 - June 2025

GPA: 3.2

Skills

Languages: Python, JavaScript, TypeScript, Java, C/C++ , SQL

Skills: Full-Stack Development, REST APIs, Cloud Infrastructure, Serverless Architecture, CI/CD, Debugging, AI/ML, Requirements-Driven Development, QMS, AS9100-Regulated Environments

Tools: React, Next.js, Node.js, Tailwind CSS, AWS (S3, Lambda, DynamoDB, SNS, CloudWatch), Terraform, Docker, GitHub Actions, MongoDB, Git