

# ELMAR IMANOV

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## EDUCATION

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**San Jose State University** | B.S. Computer Science

**San Jose, CA**

- Cumulative GPA: 3.5/4.0; Dean's List Scholar 2022

December 2023

- Coursework: Data Analysis, Computer Vision, Operating Systems, Data Structures & Algorithms, Artificial Intelligence

## EXPERIENCE

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**Microsoft**

**Seattle, WA**

Software Design Engineer

Jan 2025 - Present

- Conducted regression analysis for Windows Server 2025, automating performance data collection using Xperf and Kernrate to enable comprehensive system evaluation and optimization
- Developed a self-service web portal using JavaScript, React.js, and Flask to automate Windows Server build testing, streamlining validation processes and significantly reducing operational overhead
- Managed daily performance benchmarking across Windows and Linux environments using TPC-E, TPC-H, and HammerDB workloads, driving measurable improvements in Microsoft SQL Server performance
- Developed PowerShell scripts to automate performance tracking across multiple servers, enhancing monitoring of Windows Server 2025 and improving system reliability

**General Dynamics Mission Systems**

**San Jose, CA**

Software Engineer Intern

May 2023 – Aug 2023

- Developed a comprehensive tool in collaboration with an electrical engineer in C++ transforming over 100k+ time-domain data into frequency-domain for spectrum analysis using Fast Fourier Transform(FFT) enhancing data accessibility and reducing preparation time by more than 50%
- Implemented a noise reduction algorithm optimizing the application's RF signal processing, improving overall efficiency
- Upgraded a GUI application in Qt, implementing log file sorting and cleaning features that reduced debug time by 30%
- Adopted CMake to streamline build processes and implemented rigorous testing procedures, achieving 2x faster build times and ensuring robust software reliability

**Upwork Inc**

**Sunnyvale, CA**

Freelance Software Engineer

Nov 2023 – Nov 2024

- Developed custom web applications using React.js, Node.js and WordPress to enhance client-side interactivity and UX
- Automated data processing workflows in Python using Pandas, designing ETL pipelines that reduced manual tasks and improved efficiency by 40%
- Worked directly with clients to define project requirements and deliver tailored software solutions, consistently meeting budget and timeline constraints

## PROJECTS

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**Exercise Sharing Platform**

**Sunnyvale, CA**

Sweatlist\_PT

April 2024

- Engineered a Next.js-based platform for gym-goers to create and share personalized workout routines, boosting engagement and user retention by 40% through effective SEO tactics
- Integrated MongoDB with Google OAuth 2 (Authorization Code Flow) for secure, scalable sign-ins, fortifying backend security and reliability
- Designed a highly responsive frontend with React.js and Tailwind CSS deploying seamlessly with Vercel for rapid updates

## SKILLS & INTERESTS

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**Programming Languages:** Python, C#, C++, Java, JavaScript, Powershell, HTML/CSS and Swift

**Technologies:** Linux, Firebase, MySQL, PostgreSQL, Amazon Web Services, RESTful APIs, Server Troubleshooting, Azure, Xperf, Git, Docker, Grafana, Prometheus, CMake, Nginx, Selenium and Postman

**Frameworks:** React.js, Next.js, Node.js, Express.js, Three.js, Tailwind, GraphQL, Pandas, Django, Flask, Scikit-learn, TensorFlow, Qt, .NET and Spring