# **TATIANA YEREMENKO**

### Al Quality Engineer

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San Francisco Bay Area, CA

### **PROFESSIONAL SUMMARY**

Al-focused Quality Engineer with strong coding skills and experience integrating traditional software engineering methodologies with cutting-edge Al/ML technologies, particularly in fast-paced startup environments.

I've recently invested several months in mastering AI tools, gaining expertise in data analysis and preparation, agent creation, multi-agent systems, custom AI search with RAG, and voice agent development. Through this journey, I've accelerated my learning curve in AI, and developed a customized approach to testing and advancing AI tools.

My experience and a passion for customer's needs enable me to deliver high-impact solutions. I want to tackle complex challenges and drive innovation, with a continued focus to learn and grow in the AI space.

#### **SKILLS**

**Technical**: Python, JavaScript, TypeScript, HTML, SQL, API, Frontend & Backend Testing **Testing**: End-to-End Testing, Playwright Automation Framework, CI/CD Integration, Complex Business Logic, Data Analysing, Data Preparation, Performance Testing

Tools: JIRA, Git, GitHub Actions, pgAdmin4, Visual Studio

**Al Tools:** OpenAl Codex, Claude Code, LlamaIndex, LangGraph, Langfuse Python SDK, OpenAl Agents SDK, Chatbot Testing & Evaluation

### **PROFESSIONAL EXPERIENCE**

### Los Gatos, CA | Jan 2025 - Present - Al Quality Engineer/Consultant

Contributed to AI and data science projects spanning RAG frameworks, API integration, data cleaning and analysis with interactive visualization, and multi-agent voice technologies. Selected highlights include:

- Developed AI research assistant using DPR encoders, IndexFlatL2 indexing, and t-SNE visualization techniques to retrieve and analyze brain science research and neurological data from recent publications.
- Demonstrated API data ingestion, transformation, and visualization using Python libraries. NBA API Analysis project pulled team metadata and game logs using nba\_api, calculated win-loss records and scoring averages, and visualized performance using Matplotlib. [GitHub]
- Built a voice agent and multi-agents projects using Vapi, ElevenLabs, and OpenAl Agents SDK.

### GoGuardian, CA | Sep 2021 - Jan 2025 - Senior Software QA Engineer

Key QA contributor to the TutorMe platform, from startup phase through acquisition by GoGuardian.

- Managed full QA lifecycle: PRD analysis, test planning, case writing, execution, and automation.
- Developed automated testing framework using Playwright (TypeScript), integrated with GitHub Actions.

- Streamlined QA processes using TestTrial/Qase, improving test case traceability and regression coverage.
- Conducted cross-browser and mobile testing with BrowserStack/Lambda Test.
- Collaborated cross-functionally with developers, product managers, and stakeholders to align QA with business goals.
- Utilized pgAdmin4 for data verification; documented outcomes using Confluence.

# San Jose, CA | Jan 2020 - Aug 2021 -Software QA Consultant (Freelance)

- Delivered QA services on multiple freelance projects, focusing on functional testing, defect triage, and test planning.
- Provided test reports and quality assessments for clients under tight deadlines.

### Versonix, Campbell, CA | Aug 2017- Dec 2019 - Software QA Automation Engineer

- Led manual/automated testing for global reservation systems supporting cargo and passenger logistics. Developed test cases based on business requirements; executed regression and UAT cycles.
- Built and maintained test automation using Lettuce/Selenium WebDriver with Python. Engaged with cross-disciplinary teams to resolve bugs and enhance system reliability.

### San Jose, CA | Jan 2013 - Jan 2017 - Career Pause - Full-Time Parent

• Dedicated time to raising twin daughters while staying current with emerging tech trends through self-study.

## IJS Solutions, Santa Clara, CA | Jan 2007-Jan 2013 - Software QA Engineer

- Directed QA for web-based medical records processing and billing applications. Created automation scripts using iMacros; executed acceptance, regression, and unit tests.
- Tracked bugs via JIRA; debugged backend using SQL; maintained QA environments. Ensured product compliance with healthcare regulations.

#### De Anza College, Cupertino, CA | Jan 2006-Jan 2007 - Computer/Systems Administrator

- Installed and configured OS, applications, and hardware components.
- Maintained IT inventory and system donations tracking.

### **EDUCATION**

- Generative Al Engineering Certificate (Expected 06/2025) IBM Coursera
- A.S., Liberal Arts Science & Math & Engineering De Anza College, Cupertino, CA
- Diploma, Teaching Degree Kotlas Educational College, Russia