Yuri Tatishchev

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EDUCATION

San Jose State University   San Jose, CA
BS in Computer Science   *Expected May 2026*
- **GPA: 3.8/4.0**
- **Organizations**: Software and Computer Engineering Society (SCE Dev Team), Responsible Computing Club
- **Coursework**: Data Structures and Algorithms, Computer Architecture, Object-Oriented Design, Security

SKILLS

Languages: C++, Python, Nix, Java, JavaScript, TypeScript, HTML, CSS, SQL, Dart

Frameworks: Django, Node.js, Next.js, SvelteKit, Vue.js, Flutter, Firebase

Databases: SQLite, PostgreSQL, Google Cloud Firestore, MongoDB, Redis

Tools: Git, AWS, GCP, Linux, Docker, Ansible, Kubernetes, Grafana, Prometheus, Loki, GitHub Actions, NixOS

EXPERIENCE

Full Stack Software Engineering Lead Intern   June 2025 – present
SJSU Responsible Computing Club   *San Jose, CA*
- Leading team of 4 interns to develop a full stack tool for compliance with the EPA's Endangered Species Act
- Using EPA's API and geo data from ArcGIS Online to simplify farmers' access to applicable regulatory information
- Collaborating with EPA team to deliver a working prototype in 3 months and implement new features per feedback

Site Reliability Engineering Intern   Sept 2024 – present
SJSU Software and Computer Engineering Society   *San Jose, CA*
- Created monitoring dashboards for hardware running school services with Grafana, Prometheus, Python and Docker
- Refactored dashbaords in Grafana to use the Grafanalib python library instead of large JSON files
- Deployed and managed lifecycle of school projects using Docker and nginx

Software Engineer   Nov 2020 – June 2023
PilotCity   *San Leandro, CA*
- Created a dashboard in Vue.js, pulling data from MongoDB to improve management's access to 10,000s of data points
- Prototyped a chat plugin in Vue.js and Node.js to test initial version of the platform's development kit
- Identified a major security issue in website API and collaborated with team to **maintain 1,000s of users' privacy**

PROJECTS

SCE Spartan Compass ⭕ | *TypeScript, Next.js, shadcn/ui, PostgreSQL, Docker*   Nov 2024 – present
- Worked in team on a full-stack web app to make it easy for SJSU students to find good course sections
- Helped onboard developers, collaborated on 5+ issues, reviewed **15+ pull requests**
- Used a GraphQL API to retrieve professor and ratings data, giving insight into 10,000s of data points

VPGen ⭕ | *TypeScript, SvelteKit, Drizzle ORM, SQLite, Docker, Woodpecker CI*   Oct 2024 – present
- Built web app to automate home VPN solution, serving **1000+ GB** of traffic
- Self-hosted deployment, using the OPNsense API to integrate nicely with existing network infrastructure
- Automated container image builds using Woodpecker CI, quickly catching broken releases

Alpina ⭕ | *Linux, Ansible, Jinja, Python, grafanalib, Docker, docker-compose*   July 2022 – present
- Provisioned a home server with Ansible, running **10+ services** and personal projects for $0.00
- Set up staging environment to stability test new features before deploying to production
- Monitored metrics and logs for machines and containers using Grafana, Prometheus, and Loki

Access Controller for Zendesk | *Python, Django, PostgreSQL, Docker, GitLab CI*   Feb 2021 – May 2021
- Co-led team of interns to develop an internal company tool based on the Zendesk API
- Oversaw Python/Django codebase with tests and documentation and packaged the app as a Docker container
- Saved company **$10,000-20,000** annually in reduced licensing costs