VALERY NGUYEN

(408) 886-8447   valery.nguyen@ucla.edu   **PORTFOLIO   GITHUB   LINKEDIN**

EXPERIENCE

Google   Sunnyvale, CA
Software Engineer   May 2021 – Present
- Maintained and improved the experimentation infrastructure which provides the means to run A/B tests and launches for all Google products, such as Ads, Search, Youtube, Apps, Maps, and Cloud.
- Refactored compiler code and improved its readability and extensibility.
- Added APIs to existing internal tools that expose experiment configuration data to be consumed by other applications.
- Wrote end-user documentation that reflects the new APIs and features.
- Performed systems audits and documented the behavior of legacy systems.
- Designed, implemented, and launched new systems that allow introspecting on experiment configuration over time.
- Developed tools for experiments data backfilling.
- Provided customer support by answering technical questions, resolving issues, and debugging problems.

AlertEnterprise   Fremont, CA
Software Engineer   Sep 2019 – May 2021
- Collaborated on a team of 6 to architect the infrastructure solutions for new cloud-based product services running on GCP.
- Containerized microservices using Docker and created Kubernetes and Helm manifests used for deployments to GKE.
- Upgraded the Bitbucket Pipelines to automate Docker image builds and Helm deployments to Development and QA environments hosted on Google Cloud.
- Debugged and implemented fixes to back-end (Java, Spring Boot) and front-end (Angular) code.
- Obtained Google Cloud's Associate Cloud Engineer certification.

Orano   Charlotte, NC
Software Engineer   Oct 2011 – Jan 2019
- Developed PLC code utilizing Siemens STEP 7, Ladder Logic, Grafcets, Function Blocks, and Structured Text Language.
- Designed and implemented software solutions for nuclear fuel manufacturing material handling, part tracking, and data storage and retrieval.
- Led PLC software tests on Siemens PLC (SIMATIC S7-400) test platform using Siemens STEP 7 and WinCC Open Architecture, and delivered four complete software programs for commissioning.

Mechanical Engineer   Jan 2015 – Apr 2017
- Performed structural analysis on support structures for automation systems' hardware using ANSYS Mechanical APDL and ANSYS Workbench to verify and establish structural qualification.
- Executed over 60+ evaluations of support frames, anchors, and welds to ensure structural integrity using ANSI/AISC N690-94 standard and AWS D1.6:1999 code.
- Transmitted accelerations, reactions, and deflections to interfacing construction and mechanical organizations to support 18+ field changes and design improvements.

EDUCATION

University of California, Los Angeles (UCLA) - *Bachelor of Science, 2011*

PROJECTS

somethingSpecial (ReactJS, ReduxJS, Ruby-on-Rails) – github
E-commerce web app for desktop, tablet, and mobile users
- Built an e-commerce application implementing product categories, searches, reviews, and wish list functionalities by leveraging RESTful APIs and standardized CRUD patterns.

SKILLS

JavaScript, React.js, Redux.js, Angular, GraphQL**,** HTML5, CSS3, Go, C++, Java, Spring Boot, Hibernate, Ruby, Rails, Express.js, Node.js, MongoDB, PostgreSQL, MySQL, Microsoft SQL Server, Docker, Kubernetes, Helm, Terraform, GCP, Git.