

IZAAC RUSSO



[linkedin.com/izaacrusso](https://www.linkedin.com/in/izaacrusso)

EXPERIENCE

North Coast Regional Water Quality Control Board

Engineering Geologist, January 2020 - Present

As an Engineering Geologist in the Forest Activities Program I am responsible for routine review and inspection of Timber Harvest Plans to ensure protection of beneficial uses of waters of the state. I am also responsible for wildfire related activities on timber land.

- Reviewed and inspected over 40 Timber Harvest Plans
- Inspected post-fire salvage Emergency Notices, forest fire prevention Exemptions, and vegetation management projects
- Led a \$276,000 Administrative Civil Liability Complaint against a landowner for illegally discharging sediment into watercourses during operations of a post-fire salvage Emergency Notice
- Developed a geospatial database to track CAL FIRE Emergency Notice and Exemption inspections
- Ad hoc geospatial and numerical analysis and reporting using ArcPro and R

Scientific Aide, March 2019 - December 2019

- Installed and maintained water pressure monitoring equipment and measured in-stream flow in the Navarro River and Trinity River watershed.
- Developed R scripts to generate rating curves from water pressure and flow data.
- Developed R scripts to assess region-wide pollutant monitoring data (over 2 million records) in support of the Integrated Report for the Clean Water Act 303(d) list of impaired waterbodies.

Golden Gate National Parks Conservancy

Surveyor, June 2017 - August 2017

Surveyed the trail system, stairs, fences, historic sites, and plaques in Muir Woods National Monument using a Nikon XS total station. Imported data into ArcGIS, creating polyline and polygon shapefiles for use in future maps.

National Park Service

Natural Resources Specialist, January 2016 - August 2016

Responsible for natural resource management across 7,500 acres of the Golden Gate National Recreation Area's San Mateo County holdings. Full-time internship with responsibilities split between 80% fieldwork and 20% office work.

- Surveyed and mapped gully erosion from legacy roads
- Developed habitat suitability model and mapped endangered San Bruno Elfin Butterfly
- Monitored and reported on three threatened and endangered species
- Authored two endangered species reports for U.S. Fish & Wildlife service
- US Army Corp of Engineers wetland delineation
- Developed digital and paper maps for many projects using ArcGIS
- Updated wildlife monitoring databases

Ubisoft Entertainment

Senior Program Manager, 2005 - 2012

Managed all technical programs and marketing platforms for the Ubisoft Digital marketing team, working with internal and external global stakeholders. Built and managed a team of analysts web developers.

Roundarch

Analyst, 2001 - 2004

Worked across all functional areas on large-scale web development projects, from RFP responses through UI design, front-end development, and backend development in Java. Clients included Motorola, State of California, Province of British Columbia, JP Morgan, County of Santa Clara and the U.S. Air Force.

Vivant!

UI Engineer, 2000 - 2001

paper(media)

UI Engineer, 1999 - 2000

Excite@Home

Technical Designer, 1996 - 1999

EDUCATION

Sonoma State University – B.S. Geology

2018

Relevant Courses Completed: GIS Analysis and Modeling,, Hydrology, Environmental Geology, Geologic Mapping & Report Writing, General Biology I-II

San Francisco State University – Computer Science Coursework

SEPTEMBER 1994 - JULY 1996

PROJECTS

Characterization of the Alluvial Fan Reach of Copeland Creek – Senior Thesis

Senior research looking at the alluvial fan reach of Copeland Creek, a small intermittent stream in Rohnert Park, California.

Measured longitudinal profile and multiple cross sectional profiles of a 400 ft study reach to establish a baseline for further studies.