

Alexander E. Schwarz

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xanschwarz.github.io/Xanders-Portfolio/

Summary

Full stack web developer that is passionate in creating and maintaining responsive and polished applications using various front-end and back-end technologies. Background in Structural and Aerospace Engineering, currently attending the Full Stack Web Development Boot Camp at UCSD and looking forward to a career developing websites and web applications.

Technical Skills

Front-end:

- HTML5
- CSS3
- Bootstrap
- Tailwinds
- jQuery
- AJAX
- APIs

Back-end:

- Node.JS
- Express
- MySQL
- Handlebars
- Sequelize

Work Experience

February 2017-
April 2020

QuEST Global N.A. – Collins Aerospace Systems VBU, Chula Vista
Aftermarket Aerospace Stress Engineer

- Executed stress analysis to substantiate repair and allowable damage limits for the Structural Repair Manuals (SRM) of new and legacy programs.
- Analysis of composite nacelle components in support of Boeing 787 program as well as metallic and composite nacelle components for various legacy programs.
- Peer reviewed stress reports of team members to ensure a high degree of quality and accuracy prior to submission to customer.
- Generated Excel VBA automation tools for analysis documents.
- Collaborated with Repair Engineers in development of legacy program repair documents.
- Provided direction on international trade compliance concerns as export compliance focal.

August 2012-
October 2013

Rancho Family YMCA, San Diego, CA
Aquatics Coordinator

- Developed aquatics programs serving 550 participants per month during peak season with direct input from community and staff.
- Led staff trainings twice a month to develop staff skills and ensure up to date rescue certifications.
- Provided supervision to staff of 40 lifeguards and swim instructors.
- Addressed any client concerns as pertained to aquatics department and auxiliary departments.

December 2009-
August 2012

Rancho Family YMCA, San Diego, CA
Head Lifeguard/Swim Instructor

- Led monthly staff meetings and rescue certification trainings.
- Performed maintenance to aquatics facility and ensured all equipment was in working order.
- Provided supervision to staff and assisted with customer concerns.
- Lifeguarded and instructed swim programs.

Education

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| 2021-Present | University of California, San Diego Extension, La Jolla, CA
Certificate, Full Stack Web Development Bootcamp |
| 2011-2016 | University of California, San Diego, La Jolla, CA
Bachelor of Science, Structural Engineering |
| 2007-2011 | San Diego Community College District, Miramar, Mesa and City
Engineering |