



ZACH GWIRTZ

Web Development | Project Management

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HELLO!

I am a Full Stack Developer, technical diver and avid explorer drawing upon my experiences in the unknown to tackle modern development projects. Years spent in the harshest environments our planet has to offer has led to a love of complex problems and creating the solutions they require.

TECHNICAL SKILLS

Development: JavaScript, HTML5, CSS3, NODE.js, React, Express, JQuery, PostgreSQL, RESTful APIs

Software: Photoshop, Illustrator, Adobe XD, Indesign, Lightroom, Animate, After Effects, AutoCAD, Vectorworks Landmark, Fusion 360, Photoscan, Unity

PROJECTS

Reframe: reframe.now.sh | github.com/TecDvr/reframe-client

- Technologies used: React.js, JavaScript, HTML5, CSS3, Node.js, Express.js, PostgreSQL

Hydrate: hydrate.now.sh | github.com/TecDvr/hydrate-client

- Technologies used: React.js, JavaScript, HTML5, CSS3, Node.js, Express.js, PostgreSQL

Slack Tide: tecdvr.github.io/slackTideApp | github.com/TecDvr/slackTideApp

- Technologies used: JavaScript, JQuery, HTML5, CSS3

EXPERIENCE

HARE CONSTRUCTION Pacific Grove, CA

2017-2019

Project Manager

- Managed construction software and application development teams in a fast-paced environment
- Implemented in house applications and training programs to streamline workflows onsite
- Architectural-drafting and design for special needs projects and custom homes
- Social media management and implementation to support the Hare's growing presence
- Drone assisted site photogrammetry and 3D modeling for design and customer review
- Web design and systems maintenance using Wordpress, JavaScript, HTML5 and CSS3

THINKFUL Seattle, WA

2019

Full Stack Engineering Student

- Learned industry best practices and practical software development standards with a focus on security, team coding, testing and repository management
- Created and deployed mobile-first applications using the latest technologies with a vanilla approach to gain a complete understanding of the technologies used
- Utilized the React JavaScript library to build secure API's for client-side applications and general use
- Used industry design principles to create functional wireframes with AdobeXD and match all design specifications to deploy pixel-perfect applications
- Gained a powerful understanding of Data Structures and Algorithms to solve complex data management problems while ensuring scalability and peak performance in all applications
- Collaborated weekly with a senior web developer at National Geographic

PADI - TDI - GUE Monterey, CA | Seattle, WA | SE Alaska | São Paulo, SP Brazil

2011- Current

SCUBA Diving Instructor

- Technical and recreational diving instruction in a fast-paced environment
- Closed Circuit Rebreather expedition lead for wreck recovery projects
- Mixed gas diving specialist dealing in helium rich mixes for exploration and decompression
- Certified service technician for commercial fisheries and Closed Circuit Rebreathers
- Commercial diving fisheries analyst providing training and guidance for Geoduck and Sea Cucumbers

PACIFIC LIVE Seattle, WA | SE Alaska

2013-2017

Project Manager

- Plant management and logistics for all Alaskan fisheries projects
- Overseeing of all production teams for Salmon, Geoduck and Sea Cucumbers
- Product design and prototyping for distribution of seafood products worldwide
- Marketing and web design using Adobe Suite, Wordpress, JavaScript, HTML5 and CSS3
- Social media management to drive Pacific Lives presence in the Chinese market
- HACCP: Hazard analysis and critical control point assessment for all production seafood products

EDUCATION

PIERCE COLLEGE

Associate of Arts

SAN DIEGO STATE UNIVERSITY

Graphic Design

EMERGENCY FIRST RESPONSE

CPR/First Aid Instructor

GLOBAL UNDERWATER EXPLORERS (GUE)

CCR/Technical Diver

VOLUNTEER

EDGEWORKS CLIMBING GYM (Current)

Donations Coordinator

HARBOR WILDWATCH

Volunteer Diver - Peer into the night

POINT DEFIANCE ZOO AND AQUARIUM

Volunteer Diver

SURFRIDER FOUNDATION

Clean Water Task Force

EXPLORING NEW HORIZONS

Outdoor School - Counselor

PROJECT BASELINE

Site Manager

Inspired by adventure