



## ZACH GWIRTZ

Full Stack Development | Project Management

zachgw@gmail.com | 415.690.3329

[linkedin.com/in/zacharygwirtz](https://www.linkedin.com/in/zacharygwirtz) | [zachgw.com](http://zachgw.com) | [github.com/TecDvr](https://github.com/TecDvr)

### 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, Swift, HTML5, CSS3, NODE, React, Express, JQuery, PostgreSQL, RESTful APIs

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

### RECENT PROJECTS

**Reframe:** [reframe.now.sh](http://reframe.now.sh) | [github.com/TecDvr/reframe-client](https://github.com/TecDvr/reframe-client)

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

**Hydrate:** [hydrate.now.sh](http://hydrate.now.sh) | [github.com/TecDvr/hydrate-client](https://github.com/TecDvr/hydrate-client)

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

**Slack Tide:** [tecdvr.github.io/slackTideApp](https://tecdvr.github.io/slackTideApp) | [github.com/TecDvr/slackTideApp](https://github.com/TecDvr/slackTideApp)

- Technologies used: JavaScript, JQuery, HTML5, CSS3

### EXPERIENCE

**HARE CONSTRUCTION** Pacific Grove, CA

2017 - 2019

*Project Manager/Design Lead*

- 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

2010 - 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

2015 - 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 - English*

**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*