

Scott O'Connor Ammon

Full Stack Web Developer

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SKILLS

Front End

JavaScript | React | Redux | EJS
HTML5 | CSS3 | jQuery | Materialize

Back End

Node.js | Express | PostgreSQL
MongoDB | Python | Django

Design

Adobe XD
Adobe Lightroom

Other

Git/Github
Heroku

SELECT PROJECTS

Orca Card Reloaded

github.com/scott-ammon/orca-card-reloaded

A full stack web app aimed at modernizing the outdated Orca Card website using a React & Redux front end, Node/Express/PostgreSQL back end.

Maker-Collab

github.com/scott-ammon/maker-collab

A full stack web app aimed at bringing together hobbyists working on single-board computer projects. Front end built with EJS templates. Back end built with Node/Express/PostgreSQL. App includes Chart.js for interactive visualization, and Mapbox GL JS for users to find nearby projects.

Nim

github.com/scott-ammon/unit1-game

Nim is an ancient strategy game I recreated in JavaScript and jQuery. Can play with two players, or a computer player that implements proven combinatorial game theory to choose the optimal move on each turn.

EXPERIENCE

Project Manager - Delta Marine Industries (Seattle, WA)

Sept 2015 – Apr 2018

- Managed integration of ship navigational and computer systems across multiple contracts totaling over \$2mil
- Improved communication as main interface between owner's representatives and shipyard on >\$75mil project
- Provided project management support to production supervisors, engineers, and designers, reducing time between upper management decisions and implementation in the yard
- Developed change orders bringing in over \$1mil, and managed contract allowance invoicing
- Created construction drawings in Rhino & AutoCAD for custom ship components built & deployed on delivered yachts

Subsea Engineer - Chevron Energy Technology Company - Houston, TX

May 2014 – Aug 2015

- Managed subsea-pipeline buoyancy prototype development, advancing patented technology toward commercialization, culminating with successful small-scale testing and prototype mockups
- Performed finite element analysis of subsea pipelines allowing Chevron to verify the feasibility of early-phase designs
- Independently analyzed contractor's static and dynamic pipe-lay installation analyses in OrcaFlex to verify design safety
- Led internal risk assessments for pipe-lay installation efforts to increase confidence in the safety of operations

Hull & Systems Engineer - Chevron Shipping Company, LLC - Houston, TX

June 2012- May 2014

- Project Engineer on early-phase engineering of floating production facilities, provided valuable cost analysis of shipyard project proposals for >\$100mil vessels
- Authored technical papers and standards on ship systems to advance decision making capability of upstream services group
- Led recruiting effort for new college-hire and intern for the Houston office, resulted in 2 successful hires

EDUCATION

General Assembly - Full Stack Web Development Immersive

May 2018 – Aug 2018

Full-time immersive program covering full stack fundamentals: RESTful routing, AJAX, databases and ORMs, Git, OOP fundamentals, data structures & algorithms

University of Michigan - Naval Architecture & Marine Engineering B.S.E. & M.S.E.

Coursework included: numerical methods, intro to C++, design optimization algorithms, structures analysis and design, hydrodynamics, marine systems, statistics, linear algebra, calculus, & differential equations