

Scott O'Connor Ammon

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EDUCATION

General Assembly	Full Stack Web Development Immersive Full-time immersive program covering full stack web development topics such as RESTful routing, databases and ORMs, Git and version control, OOP fundamentals, data structures & algorithms	May 2018 – present
University of Michigan	Naval Architecture & Marine Engineering M.S.E. Naval Architecture & Marine Engineering B.S.E. Coursework included: numerical methods, intro to C++, design optimization methods, structures, hydrodynamics, marine systems, statistics, calculus & diff eq	2011-2012 2007-2011

SKILLS

Front end: JavaScript (ES6) | HTML | CSS | jQuery | React | Materialize

Back end: Node.js | Express | Postgres | Python | MongoDB

Other: MATLAB | Processing | Rhino 3D | AutoCAD

SELECT PROJECTS

Maker-Collab - github.com/scott-ammon/maker-collab

Full stack node application aimed at bringing together hobbyists working on single-board projects like Arduino or Raspberry Pi. Includes Chart.js for interactive visualization of project tags to see what people are working on, and Mapbox GL JS for users to find projects in their area and reach out to other members to collaborate.

Nim - github.com/scott-ammon/unit1-game

Nim is an ancient mathematical strategy game recreated with JavaScript and jQuery. Includes an AI 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 multiple contracts totaling more than \$2 mil for shipboard navigational electronics and computer systems, resulting in successfully integrated systems on delivered 200' yacht
- Served as main interface between owner's representatives and the shipyard on multi-million-dollar yacht construction project, increasing communication and reducing rework
- Provided project management support to production supervisors, engineers, and designers which reduced time between upper management decisions and implementation in the yard
- Supported project financial efforts by developing and managing change orders, contractual-allowance billing, and invoicing for major subcontractors, resulted in successfully signed change orders totaling over \$1mil
- Developed engineering construction drawings in Rhino & AutoCAD for custom composite, aluminum, and steel components resulting in successfully built custom structures deployed on delivered yachts

Subsea Engineer - Chevron Energy Technology Company - Houston, TX May 2014 – Aug 2015

- Managed subsea-pipeline buoyancy development during prototyping phase to help advance the patented technology toward commercialization, culminating with successful small-scale testing and prototype mockups
- Performed FEA (Abaqus) of subsea pipelines for design, installation and operational scenarios, allowing Chevron to verify the validity of early phase designs
- Independently verified contractor's static and dynamic pipe-lay installation analyses in OrcaFlex, confirming that allowable stresses would not be exceeded
- 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 for FPSO Hull Team major capital project Front-End Engineering & Design phase, provided valuable cost analysis of shipyard project proposals
- Authored technical papers and standards on ship systems to advance decision making capability of Upstream Services
- Led recruiting effort for new college-hire and intern for the Houston office, resulted in 2 successful hires