Sebastian Favè

Web Developer | Programmer | Tech Enthusiast

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SUMMARY

Full-stack web developer with 6+ years of technical engineering experience understanding customer needs and providing solutions. Persistent problem solver motivated by new learning opportunities.

WORK EXPERIENCE

Mechanical Engineer
Naval Surface Warfare Center Carderock Division, 2014 – ongoing
- Technical lead for air cushion vehicle composite components on LCAC and SSC craft
- Overseeing two procurement task orders for contractor lead design and fabrication of prototype composite components
- Performed composite trade space study calculations based on structural analysis first principals to guide design efforts
- Completed structural analysis and technical report for large composite structure to assess integrity with damage

Marine Engineer – Intern
The Columbia Group, Jan 2014, Washington DC
- Computed compartment heat transfer loads for HVAC system analysis and equipment sizing
- Validated or documented alterations to existing chill-water piping on ship to latest install drawings

Naval Architect – Intern
Elliot Bay Design Group, Jan 2012, Seattle WA
- Completed minor modifications to rhino hull models to be used in transient load analysis
- Participated in ship check to document information for ship modification plans

Structural Engineer – Intern
Gibbs and Cox, May – Aug 2011, Arlington VA
- Generated finite element model of structure's main internal support framing for static and dynamic finite element analysis
- Performed calculations in support of a ship hull vibration analysis and report
- Evaluated structural properties of ship sections using Hecsalv Section Modulus Editor

EDUCATION

Certificate Full Stack Web Development, Aug 2021
The George Washington University, Washington, DC

M.S. Aerospace Engineering, May 2014
B.S. Ocean and Aerospace Engineering, May 2012
Virginia Polytechnic Institute & State University, Blacksburg, VA

TECH STACK

Languages
JavaScript, Python 3

Front End
HTML5, CSS3, JavaScript, jQuery, BootStrap

Back End
Node.js, ExpressJS, MySQL, MongoDB

Tools
Git, GitHub, NPM, VS Code

PROJECTS

Weather Dashboard
github.com/--/web-weather-dashboard
Client-side API web app
- Web application provides an online weather search portal for global city locations making use of the Open Weather API.

Food and Fitness Tracker
github.com/--/food-fitness-tracker
Collaborative client-side web application project
- Food and fitness tracker web application. Application uses two APIs for workout and recipe information and browser local storage for data storage.