

Maxwell Mandina

Software Engineer

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EXPERIENCE

Formation | *Software Engineering Fellow (Full Stack)* | Remote Dec 2022 - Present

- Selected for highly-competitive Fellowship for personalized coaching from senior software engineers at top-tier companies
- Completed intensive training to master computer science fundamentals through coding exercises, development in live production environment, pair programming, and small mentor-led groups
- Studied front-end design fundamentals in small groups led by senior engineers, comparing and contrasting concepts in modern web-based applications

Military Sealift Command | *3rd Officer - Secret Security Clearance* Mar 2020 - Sep 2022

- Modernized a deprecated database program written in Visual Basic, automating administrative tasks saving 20+ man hours biweekly
- Oversaw navigation watches on a 894 foot hospital ship on a global humanitarian mission while managing a department of 12 workers and 29 sub contractors over 5 months

Seabury Capital | *Intern Analyst* | Edison, NJ Jan 2020 - Mar 2020

- Built and designed financial models for various sell-side offerings on deals worth 100M+
- Advised senior level management on the creation of a digital platform for the buying and selling of shipping space on deep-sea container ships

PROJECTS

Recur

iOS development instructional platform - Formation

Technologies: React, Redux, Express.js, Webpack, Material-UI

- Designed and built a feedback feature allowing users to submit feedback from the web app to a new feedback API endpoint on the back end
- Revised the exam page selection algorithm, ensuring that novel exams were provided on first load, reducing loading times by 20% and preventing multiple reloads of content

findSurf | [github](#) | [deployment](#)

Global Web-Based Surf Atlas - Personal Project

Technologies: Node.js, Express.js, MongoDB (Atlas), Bootstrap

- Utilized Google Cloud Maps API to enable users to view 8500+ surf spots on a world map
- Implemented pagination functionality reducing loading times and extraneous API calls by 98%
- Developed middleware using Passport.js allowing users to create accounts with different permissions

EDUCATION

SUNY Maritime College | Bronx, NY | 3.85 GPA Jan 2020

Master of Science in International Transportation Management

USCG - Second Mate of Unlimited Tonnage Upon Oceans

Rutgers University | New Brunswick, NJ | 3.71 GPA May 2017

Bachelors of Arts in Economics, Minor in Geography

Selected Courses: Intro. To Computer Science, Data Structures and Algorithms

SKILLS & INTERESTS

Languages: JavaScript, TypeScript, Node.js, Python, Java, Git, SQL, HTML, CSS, Sass, Linux

Tools/Frameworks: React, React Native, Redux, Express.js, Bootstrap, Material-UI, MongoDB, MySQL, Jest

Interests: Deep-sea Sailing, Surfing, Irish Trad Music