Danielle Andrews

Software Engineer / U.S. Marine Corps Veteran

EXPERIENCE

Software Engineer | NOAA Fisheries | JAN 2025 – PRESENT
National Oceanic and Atmospheric Administration - Northwest Fisheries Science Center

- Guide a team of M.S. Data Science students in developing a stressor response e-library for Pacific salmonids, improving research accessibility by mentoring them through project milestones.
- Ensure project alignment with user needs and research goals by reviewing wireframes, resulting in a more intuitive design.
- Enhance user experience by conducting UI/UX testing and providing actionable feedback, leading to a more user-friendly interface.

Software Engineer | Danielle's Consulting | JUN 2020 – PRESENT

Tahuya River Valley Water District

- Increased public access to critical water district information by designing and developing the website, making resources available online for the first time.
- Improved cross-browser functionality and mobile responsiveness by performing comprehensive quality assurance testing.

The Bridge Workforce

- Boosted project efficiency by 30% by implementing a ticketing system, optimizing GitHub workflows, and leading team meetings.
- Improved user engagement by developing interactive interfaces in React, enhancing the platform's usability and accessibility.

MyCookBook

- Developed a fully functional web app enabling users to search, view, and save recipes, increasing accessibility to curated content.
- Enhanced user experience by implementing search functionality and multi-criteria filtering, allowing for more precise recipe discovery.

Software Engineer | Playpod | JUN 2023 – SEP 2023

- Expanded the product's user base by 95% by architecting a language globalization feature via integrating Spanish support with AWS transcription services.
- Reduced user drop-off rates by 40% by introducing error handling, caching, and breadcrumbs, resulting in a smoother user experience.

Engineering Manager | A&E Conveyor Systems | APR 2019 – JUN 2020

- Accelerated project completion time by 20% by creating and optimizing an engineering schedule, streamlining workflows.
- Delivered a 90% on-time, on-budget completion rate by coordinating with vendors, customers, and internal departments.
- Led projects from sales handoff to shipment, overseeing in-house product fabrication and assembly to ensure quality and efficiency.

(770) 355-1281
danielle.andrews.dev@icloud.com
danielle-andrews.devdecks.com
github.com/DrAcula27
linkedin.com/in/daniellerandrews

SKILLS

Languages
JavaScript, R, Python, C/C++, SQL, GraphQL, Markdown, EJS, HTML, CSS, YAML

Libraries & Frameworks
Tailwind, MUI, React, R-Shiny

Tools & Platforms
MongoDB, DuckDB, AWS S3, PostgreSQL, Node, Express, Postman, Git, GitHub

Design
Figma, Gimp, Adobe Express

Mechanical Engineering
Autodesk Suite, SolidWorks, Tekla Structures, LaTeX

EDUCATION

B. S. Mechanical Engineering
KENNESAW STATE UNIVERSITY
- Magna Cum Laude Honors
- Global Engagement Cert.
- Prog. for Engineers (C++)

MILITARY

USMC Veteran | 2011 - 2018
- Helicopter Mechanic | Sergeant

VOLUNTEERING

HFLA | APR 2024 - PRESENT
- Website & 311-data teams

SciPy Conference | JUL 2024
- Check-in & answer questions

HCSEG | AUG 2024 - PRESENT
- Field Research & Stewardship