

# Danielle Andrews

*Software Engineer / U.S. Marine Corps Veteran*

## SUMMARY

Software engineer with 5+ years of experience in end-to-end full-stack development across startups, mid-sized companies, and open-source projects. 7 years of combined experience in both military and engineering leadership with a background in mechanical engineering and aviation maintenance.

## EXPERIENCE

### Software Engineer at Hack For LA, APRIL 2024 – PRESENT

- Refactored GHA workflows using GraphQL when the website team migrated to the new version of GitHub Projects, improving workflow efficiency by 30%.
- Improved accessibility for the [311-data](#) project by implementing zoom controls for the map that comply with WCAG standards.
- Redefined integration with HuggingFace using DuckDB to improve 311-data's app performance when requesting and showing data on the map.
- Updated technical documentation to improve clarity, reducing confusion for new contributors, leading to a 10% reduction in mistakes on Good First Issues and a 5% higher retention rate in new contributors.

### Software Engineer at [Playpod](#), JUNE 2023 – SEPTEMBER 2023

- Architected the language globalization feature, resulting in a 95% increase in the product's user base.
- Enhanced app functionality by implementing robust error handling, introducing a cache of profile photos for user selection, and incorporating breadcrumbs for seamless navigation, reducing user drop-off rates by 40%.

### Software Engineer at Danielle's Consulting, JUNE 2020 – PRESENT

- Defined statements of work for a diverse client base that ranges from small to midsize companies, serving customers and agencies statewide.
- Developed comprehensive end-to-end solutions for client websites, ranging from static to dynamic sites, focusing on accessibility for a wide range of users.
- Guided clients through the entire development process, troubleshooted existing site issues, and provided ongoing support as business needs evolved.
- Recent client examples:
  - [Tahuya River Valley Water District](#)
  - [The Bridge Workforce Training and Development, LLC](#)
- Other projects:
  - Cooler Than You HVAC, [My Cook Book Recipe Saver](#), [Hood Canal Stargazers APOD](#), [SpaceBattle!](#), [MyDash Extension](#), and many more.

### Engineering Manager at A&E Conveyor Systems, APRIL 2019 – JUNE 2020

- Created and maintained an engineering schedule, resulting in 20% faster project completion.
- Lead engineering projects, using Autodesk Suite, from sales hand-off, through project completion, to customer support.
- Oversaw in-house product fabrication and assembly.
- Managed the mechanical engineering team, while coordinating with internal departments, vendors, and customers, resulting in 95% on-time and in-budget project completion rate.

(770) 355-1281

[danielle.andrews.dev@icloud.com](mailto:danielle.andrews.dev@icloud.com)

[danielle-andrews.devdecks.com](https://danielle-andrews.devdecks.com)

[github.com/DrAcula27](https://github.com/DrAcula27)

[linkedin.com/in/daniellerandrews](https://linkedin.com/in/daniellerandrews)

## SKILLS

### Programming Languages

JavaScript, R, YAML, GraphQL, Markdown, HTML, CSS

### Libraries & Frameworks

Bootstrap, Tailwind CSS, MUI, React, jQuery, R-Shiny

### Tools & Platforms

MongoDB, DuckDB, AWS S3, PostgreSQL, Node.js, Express.js, Postman, Git, GitHub, Vercel, Render, GoDaddy, VSCode, VirtualBox

### Design

Canva, Figma, Gimp, Adobe Express

### Mechanical Engineering

Autodesk Suite, SolidWorks, Tekla Structures, LaTeX

## EDUCATION

### B. S. Mechanical Engineering

*Kennesaw State University*

- Honors: Magna Cum Laude, Global Engagement Certification
- Relevant Course: Programming for Engineers (C++)

## MILITARY

### USMC Veteran

Helicopter Mechanic | Sergeant (E5)

## VOLUNTEERING

### SciPy Conference 2024

Tacoma, WA

### Hood Canal Salmon

### Enhancement Group

Field Research & Stewardship

## INTERESTS

Smart house: home server, pi-hole ad-sink, home assistant; 3D printing; Discworld; Skyrim