

ALEX WITTWER

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EDUCATION

Georgia Institute of Technology
Master's, Computer Science

September 2024 - January 2026

Portland State University
Bachelor's, Mathematics

January 2016 - January 2020

PROFESSIONAL EXPERIENCE

L3Harris Technologies
Electronics Technician

Philadelphia, PA, USA
January 2022 - Present

- Built and repaired industrial circuit breakers for U.S Navy platforms
- Led implementations of numerous documentation overhauls, including improvements to work instructions and procedures
- Led the FY21 ACB-5003 overhaul project to completion under tight deadline, delivering over \$2M in sales for the program
- Created scripts using JavaScript, HTML, and CSS to generate non-conformance reports.

EO Media Group
Multimedia Journalist

La Grande, OR, USA
January 2021 - January 2022

- Reported and photographed news, including breaking news, sports and feature stories, earning numerous first place awards for newspapers in photography and storywriting.

Biamp
Electrical Engineering Technician

Tigard, OR, USA
July 2020 - January 2021

- Using electronics expertise, achieved over \$150,000 in deliverables during the first month of employment
- Greatly improved production line efficiency by identifying incoming manufacturing defects and trends and providing key guidance to assembly technicians and engineering teams that eliminated costly turnaround time.
- Worked with a small team of experts to eliminate 80% of non-conforming material backlog and resolve several crucial system failures with digital signal processing servers, leading to an overall annual target of over \$350,000 in repair value.

United States Navy
RF Systems Engineer

Pearl Harbor, HI, USA
June 2012 - June 2016

- Installed, tested, diagnosed, repaired, and upgraded critical RF and SIGINT and COMINT systems on US Navy vessels leading to timely completion of national security missions with 100% success rate.
- Served as System Administrator for networked UNIX/Windows 2000 servers, overseeing IA, AD, account life-cycle management, and network security
- Deployed with systems and served as subject matter expert and trainer for operators utilizing state-of-the art equipment to conduct vital national security missions.

PROJECTS & OUTSIDE EXPERIENCE

GG.io

- An ecommerce page mockup application built with React and React Router, utilizing the RAWG.io public facing REST api to search for and add games to a shopping cart
- Utilized pre-configured third-party libraries for enhanced mobile experience.
- [Link to project](#)

crumbum

- A full-stack MERN web application for creating, writing, and updating blog posts, utilizing the JAMstack design principles with a fully-routed RESTful API, user authentication and authorization using JWT/Passport.js, and an elegant front-end built with React, TailwindCSS and daisyUI
- [Link to project](#)

Pokemon Memory Card

- A simple memory-card application where players must choose a pokemon, but not the same one twice! This single page application was built using React, TailwindCSS and the public REST API from PokeAPI
- [Link to project](#)

SKILLS

Skills: JavaScript, HTML/CSS, React.js, Express.js, Node.js, MongoDB, Python, Digital Ocean, Adobe After Effects, Linux/Unix, Jest, Git, C/C++, R, MATLAB, Vim, Jest, HTML, CSS, Adobe Lightroom, Adobe Photoshop, Computer Networking, D3.js, Journalism, NoSQL, REST APIs, TCP/IP, Verilog, Vercel, VHDL, Data Structures & Algorithms, Web Development, Wireshark, Word/Pages/Docs, npm, Cryptography, vite, Webpack, back-end, ES6, component libraries, responsive design, version control, Adobe Creative Suite, ui