ALEX WITTWER

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EDUCATION

Portland State University   **January 2016 - January 2020**
Bachelor's, Mathematics
- Introduction to C
- Regression Analysis
- Discrete Math and Algorithms

PROFESSIONAL EXPERIENCE

L3Harris Technologies   **Philadelphia, PA, USA**
Electronics Technician   *January 2022 - Present*
- Built and repaired industrial circuit breakers for U.S Navy platforms
- Lead implementations of numerous documentation overhauls, including improvements to work instructions and procedures
- Lead $2M overhaul project to completion under tight deadline
- Created scripts using JavaScript, HTML, and CSS to generate non-conformance reports.

EO Media Group   **La Grande, OR, USA**
Multimedia Journalist   *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   **Tigard, OR, USA**
Electrical Engineering Technician   *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
- 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.

United States Navy   **Pearl Harbor, HI, USA**
RF Systems Engineer   *June 2012 - June 2016*
- Installed, tested, diagnosed, repaired, and upgraded critical RF and SIGINT and COMINT systems on US Navy vessels
- 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, utizilizing 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