

# 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  
GPA: 3.8

## PROFESSIONAL EXPERIENCE

**L3Harris Technologies**  
*Electronics Technician*

**Philadelphia, PA, USA**  
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**  
*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
- 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**  
*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
- 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, Adobe After Effects, Linux/Unix, Jest, Git, C/C++, R, MATLAB, Vim, Jest, HTML, CSS, Adobe Lightroom, Adobe Photoshop, Computer Networking, Cryptography, D3.js, Data Structures & Algorithms, Journalism, NoSQL, REST APIs, TCP/IP, Verilog, Vercel, VHDL, Web Development, Wireshark, Word/Pages/Docs, npm