

# ALEX WITTWER

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## SKILLS & INTERESTS

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**Skills:** JavaScript, HTML5, CSS3, React.js, Express.js, Node.js, MongoDB, AngularJS, NoSQL, REST APIs, D3.js, ASP.NET, C#, Java, Python, Git, MATLAB, R, C/C++, .NET, Adobe Creative Suite, Vue.js, Bootstrap, MySQL, Docker, AWS, Microsoft Azure

**Interests:** Photography, Home Improvement, Motorcycles, Sourdough Bread

## EDUCATION

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**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*

## PROJECTS & OUTSIDE EXPERIENCE

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**Utenxel**

*2024 - Present*

- A full-stack recipe application based on Mixel that shows user's any recipe they can make with their current ingredients.
- [Link to project](#)

**GG.io**

- An ecommerce page mockup application built with React, Vite, Vercel 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 web application for creating, writing, and updating blog posts, utilizing the JAMstack design principles with a fully-routed back-end RESTful API, user authentication and authorization using JWT/Passport.js, and an elegant front-end UI 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](#)

## PROFESSIONAL EXPERIENCE

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**L3Harris Technologies**

*Electronics Technician*

**Philadelphia, PA, USA**

*January 2022 - Present*

- Designed and developed a full-stack PWA to support continuous improvement processes. Application allows engineers to easily update documentation and work instructions, and allows technicians to have access the most updated AWI/PAP/SOW.
- Led \$2M overhaul project to completion under tight deadline, completing a key target for the company that allowed for continued operations amidst a budget crisis.

**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.