

# JOSH MAGNESS

Engineering Manager

 443.619.0627

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 <https://joshmagness.com>

## EDUCATION

### Masters of Science

Applied Information Technology  
Towson University

### Bachelors of Science

Sports Management  
Towson University

## SKILLS

- Javascript
- HTML
- CSS
- NodeJS
- React
- PHP
- Ruby
- Styled Components
- CraftCMS
- Drupal
- GraphQL
- Linux
- Docker
- Photoshop
- Sketch
- Storybook

## PROFILE

I have over ten years of full-stack engineering experience. For the last two years, I have managed a team of full-stack developers, UX designers, and Quality Assurance engineers. I'm passionate about user-driven design, ethical 508 compliance, and web standards.

## WORK EXPERIENCE

### The University of Maryland

College Park

*The University of Maryland is one of the nation's preeminent higher educational institutions. Their research and computer science programs ranks among the highest institutions in the world.*

### Director Front-End Development

June 2020 - Present

*I managed the project lifecycle for newly created high-traffic web properties. I managed a multidisciplinary team of web enthusiasts. I made WCAG 2.1 compliant reusable web components based on our brand guidelines for campus units.*

- Managed a team comprised of full-stack engineers, UX Designers, Project Managers, Information Architects, and Quality Assurance engineers. Helped team members define short-term value objectives and set long-term career goals.
- Managed campus partner and vendor relationships. Defined phased scoping for internal and external projects. Evaluated final deliverables for successful completion of the project.
- Contributed to several milestones for the University's 508 compliance initiative. Created accessibility standards for campus partners and third-party vendors. Provided instruction on best practices for code and content.

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## SOCIAL

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**GitHub**

<https://github.com/magnessjo>



**LinkedIn**

<https://www.linkedin.com/in/magnessjo>



**Twitter**

<https://twitter.com/magnessjo>

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## REFERENCES

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### Dirk Torijos

Creative Director at Alex+Tom

**P:** 410.961.1133

**E:** dirk.torijos@alextom.com

### Adam Dorsey

Developer, owner at PiciriliDorsey

**P:** 443.528.0069

**E:** adam.dorsey@picdorsey.com

### Steve Adams

Proprietor at Outback Steakhouse

**P:** 410.937.8631

**E:** steveadams930@gmail.com

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## WORK EXPERIENCE

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- Managed and helped maintain several SPA sites built in React and Styled Components and served with Next.js
- Implemented a design-build system using the atomic design methodology. Created a library of custom elements from our design system. Several of the components are open-sourced and utilized for various University projects.
- Managed and helped maintain several high traffic priority sites built with content management systems: CraftCMS and Drupal. Templates are created from our design system, which provides 508 compliant, user-focused experiences. In addition, these systems are used as API endpoints for GraphQL requests for external properties.
- Conducted and documented weekly one-on-one meetings, quarterly expectations setting meetings, and yearly performance reviews.

### Under Armour

*Baltimore*

*Under Armour is a world-renowned sports apparel company. UA has been evolving the sports apparel market for over 20 years through innovation. Under Armour's tech stack includes Javascript, Scala, and NodeJs.*

### Software Engineer

*July 2019 - June 2020*

*I primarily worked on the B2B E-Commerce application called ArmourHouse. I worked on a multidisciplinary team in an agile environment with continuous integration and deployment.*

- Worked on a large scale E-Commerce application with a 99.9% uptime using React, Redux, React Router, Apollo, and GraphQL.
- Created API GraphQL endpoints in Scala and PostgreSQL
- Conducted peer code reviews with GitHub
- Created isolated responsive and 508 compliant components in storybook using styled-components.
- Converted components to be responsive and 508 compliant.

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## AWARDS

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**ADDY : SILVER**

*Baltimore Heritage*  
2018

**ADDY : SILVER**

*World Heritage USA*  
2018

**ADDY : SILVER**

*Shenandoah National Park*  
2018

**ADDY : GOLD**

*HMSHost*  
2016

**ADDY : SILVER**

*EXIM*  
2015

**ADDY : GOLD**

*98Online*  
2014

**ADDY : GOLD**

*Captain John Smith*  
2013

**ADDY : GOLD**

*Chesapeake Explorer*  
2012

**ADDY : SILVER**

*Park Points*  
2011

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## WORK EXPERIENCE

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- Created design tool built using styled components and typescript.
- Was affectionately referred to as the CSS guy

### HAPPY COG

*New York (Remote)*

*Happy Cog provides a full range of web services, including design, development, and marketing.*

### Developer, UX Designer

*February 2019 - July 2019*

*I was a development lead and UX designer for a USA Today subsidiary. I collaborated with designers and stakeholders on user-centered and WCAG compliant designs. In addition, I contributed to &Pizza and other web applications built with React. Happy Cog is one of the premier digital agencies in the New York area.*

- Led development for web applications built with React, React Router, and Redux. The apps integrate with web services to provide a WCAG compliant single page applications.
- Created static mock websites from designs and conducted usability testing with clients and stakeholders.
- Created components for A/B usability reviews.
- Utilized Docker and Docker Dash for containerized development and deployment.
- Partnered with the design team to create user-friendly, accessible, and responsive web pages. Led design workshops for usability, accessibility, and semantic HTML.

### ALEXANDER TOM INC

*Baltimore*

*Alex+Tom is an award-winning digital agency in the Baltimore area. Alex+Tom provides a range of services, including design, development, usability testing, and marketing. Alex+Tom was founded over twenty-five years ago and has been a leading usability agency for the last fifteen years.*

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## INTERESTS

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Web Components WCAG  
UX AX W3C Standards  
Soccer Puzzles CrossFit  
AR Photography Football  
NASA Animal Rescue Linux

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## WORK EXPERIENCE

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### Tech Lead

November 2011 - March 2019

*I was a development lead and UX designer for clients, including the Department of Treasury and the National Park Service. I created award-winning interfaces and web services for high traffic agencies and companies.*

- Supervised a full-stack development team with onboarding, code reviews, and project coordination.
- Created WCAG compliant user interfaces for government and corporate clients.
- Created over fifteen award-winning user interfaces using vanilla Javascript, React, and Angular. I bundled client-side code with Webpack for transpiling and code splitting. Utilized Javascript events to create 508 compliant keyboard navigation.
- Created server-side web services (API endpoints) using Ruby, PHP, and Node. These web services were created in REST or GraphQL using the MVC architectural pattern.
- Created responsive interfaces with vanilla CSS and transpiled CSS from PostCSS, Less, and Sass. Created encapsulated styled components for extensibility and maintainability.
- Coordinated with designers and stakeholders to create user-centric design experiences.
- Mentored stakeholders, designers, content managers, and other developers on creating user-driven and accessible interfaces. Provided individual and group training for component design, content authoring, and code structure.
- Utilized an agile development approach to iterate interactive usability and eye tracking tests. Rapid prototyping daily based