

Colin A. Williams

Software Developer and Designer

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WORK EXPERIENCE

JPMorgan Chase, Full-Stack Software Engineer, Columbus, OH July 2021 - Present

- Saved business \$10,000s and 100s of development hours by designing over 50 streamlined web UI views in Figma for product facing over 30,000 customers.
- Enhanced code maintainability by implementing reusable front-end Angular components in TypeScript.

JPMorgan Chase, Software Engineer Intern, Columbus, OH June 2020 - August 2020

- Assisted over 2,000 Ohio small businesses receive financial assistance by leading the design and implementation of a Python Django responsive mobile web app.
- Decreased sprint development time by 20+ hours by integrating reliable open-source code into products.

Hyland Software, Full-Stack Application Developer Intern, Westlake, OH May 2019 - August 2019

- Decreased load time of web application from over 3 minutes to under 2 seconds by instituting asynchronous JavaScript and daily server caching using ASP.NET MVC and C#.
- Eliminated nearly 100% of UI lag on mobile by converting all animations to hardware accelerated CSS3 animations.

Diebold Nixdorf, Software Engineer Intern, North Canton, OH May 2018 - August 2018

- Decreased downtime of company website by 9% by implementing website analysis tool for Windows Server in C# .NET.
- Modernized and simplified interface of an internal company portal through vector graphic design and CSS3 animations.

Jackson High School Library, Front-End Web Developer and UX/UI Designer, Massillon, OH June 2015

- Crafted a user-friendly UX and a responsive, modern website UI through clear and precise client communication.
- Managed project with client by collecting requirements and responding to feedback on iterations.
- Designed a new logo and graphics to unite the visual brand identity of the organization.

STRONGEST TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C#, HTML, CSS, SASS (SCSS)

Frameworks & Tools: Angular, React, Electron, Node.js, .NET, Spring, Git, GitHub, Bitbucket, Jira, Confluence, Figma, Linux

Disciplines: Front-End Development, Full-Stack Development, CI/CD, Unit Testing, Agile, Scrum, UI Design, UX Design

PERSONAL OPEN-SOURCE PROJECTS

Presto Parts, www.prestoparts.org November 2021 - Present

- Restructures collections of sheet music to be by instrument part (ready to hand to musicians), not by song (how it is originally distributed by the arranger), saving music instructors dozens of hours.
- Cross-platform desktop application built with Electron and Node.js. Originally a CLI application built with Python in 2019.

Drill Generator, www.drillgenerator.com June 2021

- Generates training drills in the style of The Ohio State University Marching Band summer training sessions and tryouts. The app helps candidates practice and helps squad leaders develop drills.
- Mobile-first web application built with vanilla JavaScript, SASS, and the Bulma CSS framework.

Bing Bot, www.github.com/c-o-l-i-n/bing-bot August 2020 - Present

- GroupMe chat bot that responds to different commands and sends scheduled messages throughout the day.
- REST API built with Python Flask and PostgreSQL, hosted on Heroku.

Badge Maker, c-o-l-i-n.github.io/badge-maker April 2021

- Create custom award badges for any reason or occasion to share with friends.
- Responsive web application built with React and the Water CSS framework.

EDUCATION

The Ohio State University, Columbus, OH

Bachelor of Science in Computer Science and Engineering (BS CSE)

May 2021

Overall GPA (4.00 scale): 3.63

LEADERSHIP

The Ohio State University Marching Band August 2017 - December 2021

- Squad Leader 2020-2021: Trained 30+ musicians in marching and musical technique for OSUMB tryouts.