

Michael Loeffler

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michael-loeffler.github.io/Portfolio | github.com/michael-loeffler

Motivated Full-Stack Web Developer and recent graduate of the Coding Boot Camp at Northwestern University. Background in Engineering and Higher Education Administration, pursuing a career shift into the tech world. Skilled problem-solver and fast learner who is passionate about gaining new competencies and working through challenges with increased efficiency. Strengths include collaboration, attention to detail, flexibility, innovation, project management, and clear communication.

Software Languages

Front-End: HTML5, CSS, Bootstrap, JavaScript, JQuery, Handlebars, React

Back-End: Node, Express, MySQL, Sequelize, MongoDB, Mongoose, Python, Flask, C#, .NET

Education

Full-Stack Web Development Certificate - *Northwestern University* | Evanston, IL May 2023

Bachelor of Science, Mechanical Engineering - *Purdue University* | West Lafayette, IN May 2017

Projects

Calendar App: github.com/michael-loeffler/Calendar-App | sleepy-sierra-54387.herokuapp.com/

- Full-Stack, single-page calendar application allowing users to sign-in and create, update, or delete events to stay organized
- Main Contributions: Back-end configuration (queries/mutations), Drag to Create events, Moving/Resizing events, Pre-populating forms with expected data
- Tools/Languages Used: MERN Stack, Apollo/GraphQL, React-Big-Calendar, JWT Authentication

E-commerce Site: github.com/michael-loeffler/Shoe-Store | mighty-brushlands-95444.herokuapp.com/

- Full-Stack e-commerce website allowing users to sort results by desired criteria, as well as access Wishlist and Cart features once they create an account and sign-in
- Main Contributions: Sign-Up/Login process, Wishlist and Cart features, CRUD operations, conditional rendering
- Tools/Languages Used: MySQL, Sequelize, Express-Session, Handlebars, bcrypt, Bootstrap, EmailJS

Python News Feed: github.com/michael-loeffler/python-newsfeed | morning-tor-74579-9e2c56a00e99.herokuapp.com/

- Python/Flask news application where users can post, upvote, or comment on links to tech articles
- Main Contributions: Routes, models, data validation, connection to database, passing data to templates, sign-up/login process, conditional rendering, error handling, CRUD operations
- Tools/Languages Used: Python, Flask, SQLAlchemy, PyMySQL, Jinja2, bcrypt

C# Security Badge Maker: github.com/michael-loeffler/CSharp-Security-Badge-Maker

- C# command-line application where users can quickly generate security badges for new employees
- Main Contributions: CLI prompts, class methods, populating CSV files, using SkiaSharp tools to manipulate images and text onto a badge template, converting JSON API response to C# data types
- Tools/Languages Used: C#, .NET Core SDK, dotnet, SkiaSharp, Newtonsoft.Json

Experience

Registration Assistant | Northwestern University, Kellogg School of Management Sep. 2022 – Present

- Updates and improves departmental webpages using Sitecore Experience Manager and HTML to keep information up-to-date and easily accessible
- Fields inquiries from MBA students/alumni to provide clear answers, assistance, and resolution
- Coordinates the administration of final exams (approximately 1,200 per quarter), as well as testing accommodations, allowing students to design an individualized exam schedule best suited for them

Assistant Director of Orientation | Northeastern Illinois University Aug. 2019 – Mar. 2022

- Executed 15+ one-day Orientation programs per year for new students in order to introduce campus life, highlight key resources, and foster community-building, resulting in a strong support network
- Spearheaded development of a virtual Admitted Student Welcome Day to guide students through pertinent enrollment processes, ease student transition, and prevent summer melt
- Leveraged contracted technology platforms (VisitDays and Starfish) to centralize and streamline the student onboarding experience