

# David Beshensky

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## Education

### University of Wisconsin Madison

Madison, WI

Computer Sciences for Professionals, Capstone Certificate

September 2023 - May 2025

- **Relevant Coursework:** Data Structures, Machine Organization, Matrix Methods in Machine Learning, Database Management Systems: Design and Implementation, Introduction to Operating Systems

Bachelor of Science, Chemistry

September 2015 - December 2018

## Competencies

**Languages:** Javascript, Typescript, PostgreSQL, SQL, HTML, CSS, Python, Java, C/C++

**Frameworks and Technologies:** React, NextJS, ExpressJS, NodeJS,

Bootstrap, Tailwind, VScode, Git, MongoDB, Supabase, Command Line Interfaces

## Projects

**Lockedingains.com** | NextJS | Supabase | Stripe | Typescript | TailwindCSS | [github](#)

December 2024

- Built a Progressive Web App for tracking weight-lifting progress with a mobile-first, minimalist design.
- Integrated Supabase for secure database management and custom user authentication
- Developed a dynamic exercise management system and implemented Stripe for subscription-based payments

**YouTube Shuffle Fixed** | NextJS | Typescript | TailwindCSS | [github](#)

June 2024

- Designed a client for viewing YouTube playlists with a fixed shuffle functionality
- Leveraged OAuth for secure user authentication and private playlist access on YouTube
- Implemented user authentication with Clerk, allowing access to private playlists

**Fluentify - Top 6 - Madhacks (Hackathon)** | React, Javascript, CSS, HTML | [github](#)

November 2023

- Designed a browser extension using React which aided in language learning
- Used Javascript to translate and display definitions, on-hover, of pre-specified words on every webpage

## Work Experience

### Contract Software Engineer | PocketCity LLC, Beatrite LLC

**PocketCITY, inc.** | NextJs | Typescript | Tailwind

September 2024 - Present

- Audited the codebase to ensure high-quality standards and integrity across all components
- Resolved various graphical and styling bugs, improving the visual consistency
- Addressed UI/UX issues, refining the user experience for a smoother interface.
- Investigated and exposed bugs related to unusual website behavior - reduced the overall bug count by 25%

**Beatrite LLC** | Arduino - C/C++ | AWS IoT | NodeJS | Javascript

September 2024 - Present

- Demonstrated proof of concept to record heart rate data using a sensor coupled with a wifi enabled arduino
- Successfully transferred recorded data via wifi and integrated it with an AWS IoT cloud platform

### Field Manager

June 2023 - Present

**Badger Brothers Moving**

Madison, WI

- Managed large teams of movers ensuring smooth operations with 0% damage rates and 100% customer satisfaction
- Trained new hires to foster a team-focused safety obsessed environment
- Coordinated with customers to optimize moves, exceed their expectations and resolve issues effectively

### Post-Bac Research Fellow

July 2021 - September 2022

**National Institutes of Health - National Cancer Institute**

Bethesda, MD

- Designed and authored a study, which has been accepted by BMT - Nature for publishing
- Presented and defended my research at the international bone marrow transplant conference in Prague
- Worked remotely with a team of doctors to study the late effects of chronic graft-versus-host disease and gave weekly presentations about my latest findings

### Assoc. Analytical Chemist II - Eurofins Scientific

September 2019 - July 2021

### UW Student Volunteer Grow Program

July 2018 - June 2020

### Research Assistant UW Madison Inorganic Chemistry

August 2017 - January 2018

### Research Assistant UW Hospital Urology

July 2016 - August 2017