

Theodore Ward

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EDUCATION

Northwestern University

Major: Bachelor of Science in Mechanical Engineering

Evanston, IL

Graduated: June 2018

Relevant Coursework: Design Engineering, Product Design, Design for Manufacturing

Certificate: Full Stack Web Development

January 2022 – July 2022

Dive Buddy | <https://github.com/P3-sharkBait/diveBuddy> | <https://dive-buddy-app.herokuapp.com/>

- Social Media site for Scuba Divers, keep track of your dive logs and see those of your friends.
- Primary Back End Developer
- Built with JavaScript, GraphQL, React, Express, Node, Bootstrap

Platters and Pantries | <https://github.com/Tward9/Platters-and-Pantries> | <https://platters-and-pantries.herokuapp.com/>

- An application for keeping track of your personal pantry, search recipes, and automatically generate a grocery list of missing ingredients.
- Primary Back End Developer
- Built with JavaScript, Mongoose, Handlebars, Express, Node, Materialize, Rest API

One Fish, Two Fish, Red Fish, Joe Fish | <https://github.com/Tward9/1-fish-2-fish-red-fish-joe-fish> | <https://tward9.github.io/1-fish-2-fish-red-fish-joe-fish/>

- See local weather and ocean fish to plan a weekend getaway along the coast.
 - Wrote the JavaScript powering the fish search and display.
 - Built with JavaScript, HTML, CSS, Tailwind
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RELEVANT EXPERIENCE

UL LLC | Northbrook, IL

May 2019 - Present

Project Manager

- Lead Short Term Process Improvement Initiatives
 - Lean/Six Sigma Yellow Belt Certified.
 - Automation of existing workflows.
- Manage Mid (\$15,000) to Large (\$30,000+) projects from scope to completion.
 - Manage 15 to 20 projects with varying timelines and schedules
 - Lead Project team consisting of Field Engineers, Test Technicians, and other Project Managers

Associate Project Manager

- Manages low (\$5,000) to mid (\$15,000) projects from scope to completion.
 - Establishes project timelines and requirements.
 - Manages inspections of client facilities and selection of samples for testing on a timely basis.
 - Leads Field Engineers and Testing Technicians through project timelines
- Manage 10 to 15 projects with varying timelines and schedules

Observational Astronomy Research Group | Evanston, IL

January 2018 – October 2018

Software Engineer

- Controllable optics-based measurement system measuring nanometer scale angle changes from induced magnetic fields.
 - Wrote the Python script and Jupyter Notebook to control motion, image, and scan range of system.
 - Wrote Python script to convert the light intensity measurements into a 3D gaussian profile
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PERSONAL PROJECTS

Sub to Use | https://github.com/Tward9/Recipe_Finder

- An application to suggest recipes based on ingredients, automatically suggests alternates for commonly substituted items
 - Single Full Stack Developer
 - Built with JavaScript, Express, React, Rest API, MongoDB
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ADDITIONAL INFORMATION

Applications: GitHub, MongoDB, MySQL

Languages: JavaScript ES6+, CSS3, HTML5, SQL, NoSQL, Python, GraphQL

Tools: Express, React, Node, Handlebars, JQuery, Bootstrap, Rest API