Brendt Bly

(612) 817-4377 • brendt.bly@gmail.com • linkedIn.com/in/brendtbly • github.com/b-bly • brendt-bly.com

Portfolio:
brendt-bly.com

Technical Skills:
- Javascript
- Node.js
- Express
- AngularJS
- ReactJS
- Angular Material
- jQuery
- Passport
- HTML 5/CSS 3
- Bootstrap
- SQL/PostgreSQL
- MongoDB
- APIs
- Heroku
- Git
- Python
- Swift
- Adobe Photoshop

Education

Prime Digital Academy
October 2017
Full-Stack Software
Engineering Certification

**Japanese Language
Proficiency Test**
November 2006
Class 2 Certified.

University of St. Thomas
May 2006
Masters of Arts in Education

St. Olaf College
May 2003
Bachelor of Arts in
Chemistry, Minor: Molecular
Biology

Recent Projects

Project: No More Pain   May 2018
- Finding effective treatment for an injury can be very difficult. This app lets users share what worked for them.
- Objectives: I built this app to learn state management with Redux.
- Technologies used: MongoDB, Express, React.js, Redux, Axios, Node.js, Spectre.css.
- Link: nomorepain.herokuapp.com

Project: MERN Passport Stack Tutorial   February 2018
- When I was learning React, I couldn't find a satisfactory tutorial on adding a server with authentication to a React app, so I made one.
- Objectives: To help myself and other developers understand each part of the MERN stack involved in authentication.
- Link: github.com/b-bly/simple-mern-passport

Project: Simon game clone   December 2017
- Simon was a handheld memory game in the 1980s. It flashes colors in increasingly long sequences and the user tries to repeat it back.
- Users play the game in the browser.
- Technology used: ReactJS.
- Link: https://b-bly.github.io/simon/

Experience

Osmosis   June 2018-Present
Frontend Development intern
- Discussed web design ideas with coworkers.
- Created features for the osmosis.org site, using Knockout.js, Fusion, Mysql and Bootstrap.
- I worked remotely, communicating with coworkers daily to keep each other updated on our progress.

Prime Digital Academy   June 2017-October 2017
Full Stack Software Development Student
Individual Project: Pirate Storytime, a web application that allows you to store and search for story ideas to tell young children.
- Making up stories for children on the spot is both enjoyable and challenging. This app allows you to store story ideas for later and share them with other users.
- Users can add ideas in five categories of story elements. They can choose to make these public or keep them private. They can also search through the public cards and add them to their favorites.
- Technology used: MongoDB, Express, AngularJS, Node.js, Javascript, SweetAlert2, Passport, Angular Material and Filestack.
- Link on brendtbly.com

Group Project: Belwin Outdoor Science
- The teachers currently distribute data sheets for students to fill out during their research. This makes it difficult to process the class data for the day. They do not save student research because it would be too much work to enter the data from the 10,000 students that visit each year.
- We built a mobile web app that allows students to enter their data on a mobile device and save it. Teachers can generate reports that allow them to examine class data.
- Technology used: MongoDB, Express, AngularJS, Node.js, Javascript, Angular Material, Passport, Google OAuth.
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Minnetonka High School   September 2014-August 2015
Chemistry Teacher
• Managed students in small instructional groups during laboratory activities with an emphasis on understanding one another's perspective.
• Assessed student work with apps such as Schoology, Explain Everything, Socrative, Notability and Kahoot.

Dubai International Academy, Dubai, UAE   January 2014-June 2014
Chemistry Teacher
• Managed classes of thirty or less students with diverse backgrounds, establishing an environment of appreciating one another's culture.
• Supervised independent student research and placed third in the MEF International Research Competition in the chemistry category.

Tamagawa Academy, Tokyo, Japan   September 2011-August 2013
Science Teacher
• Collaborated with coworkers to create inquiry-based curriculum.
• Guided independent student research.
• Incorporated data logging devices in laboratory assessments and taught students to analyze data with spreadsheets.

American International School   April 2009-August 2011
Ho Chi Minh City, Vietnam
Chemistry Teacher
• Taught grades 10-12 Chemistry courses.
• Collaborated with coworkers to write curriculum.
• Developed common assessments with other teachers in my department.
• Designed classrooms and chemical storage for classrooms at the school's new location.

Gakubun Jr. High School   August 2008-March 2009
Kobe, Japan
Assistant English Teacher
• Collaborated with Japanese English teachers to create communication and fluency-focussed lessons.