

Aly Tamboura

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TECHNICAL SKILLS

Software Languages: JavaScript | Html5 | Css3 | SQL | Php
Libraries: JQuery | Mocha | Chai | D3 | Bootstrap
Frameworks: React | Angular | Backbone | Express | Node | WordPress
Databases: PostgressSQL | MySQL | MongoDB
Software: Adobe: Photoshop | InDesign | Illustrator | Premier Pro

PROFESSIONAL EXPERIENCE

- THE LAST MILE | Developer** **2014–2017**
- Prepared quizzes, midterms and finals for coding students, with Chai and Mocha test suites
 - Built a JavaScript Learning Management System ontop of Canvas opensource
 - Developed WordPress custom themes and data visualizations in JavaScript and PHP
- STATE OF CALIFORNIA | Newspaper Design Editor & Webmaster** **2008–2014**
- Designed and published a monthly State newspaper
 - Wrote a custom WordPress theme and deployed organization's website
- STATE OF CALIFORNIA | GED Tutor** **2006-2008**
- Assisted students gain proficiency in basic mathematics and algebra
 - Created interactive problem and solution sets for teaching
- SUBDYNAMIC INC | Founder CEO** **1991-2005**
- Established proprietary methodology for the use of Radio Frequency(RF) to detect underground utilites
 - Prepared quotes and bids for state, municipal and federal utility survey contracts, and technical reports

SOFTWARE ENGINEERING APPLICATIONS

- LEPLONGER | Backend and Frontend Engineer** <https://github.com/Aly-Tamboura/leplonger>
Web application providing scuba divers with real-time and historical data on California dive site locations
- Produced a single page stateful application using MySQL database
 - Developed sql schema with primary and foreign key with inner and outer join table queries for data rendering
 - Harnessed React to transfer state to multiple components for and engaging UI-UX
 - Utlized a node server, express routes, to facilitate sign in/login capability
 - Integrated Google Maps, two national weather and the National Oceanic and Atmospheric Admin. API's
- MOODIFY | Backend and Frontend Engineer** <https://github.com/Aly-Tamboura/moodify>
Allows users to select songs and get the lyrics and the emotions of the song by analysis using Watson API
- Constructed additional features to legacy codebase and deployed application to Heroku hosting
 - Used MongoDB and mongoose for data persistence and modeling
 - Added React-Chart to display IBM Watson result data
 - Enabled user login with Spotify Oath authentication
- AIRBNB DASHBOARD | Backend and Frontend Engineer** http://airbnb.tlmworks.org/#/?_k=xq4ted
Provides current and hisorical data on all Airbnb social media accounts
- Leveraged Oath authentication for individual social media accounts for security
 - Hosted the data in MongoDB for persistence and used mongoose for and modeling
- POLITICS OF VACCINES | Frontend Engineer** <http://infograph.tlmworks.org/the-politics-of-vaccines>
Data Visualization and Animation
- Developed a custom implementation of D3 for data modeling built on a customized WordPress CDN
 - Used Velocity.js to animate scalable vector graphs

EDUCATION

- HACK REACTOR | Advanced Software Engineering Immersive** **2017–Present**
PATTEN UNIVERSITY | AA Liberal Arts **2010–2013**
SAN JOSE STATE | (incomplete) Civil Engineering **1980-1984**

PERSONAL

Avid scuba diver and ocean conservationists