# **DIANA CURTIS**

github.com/DianaCurtis linkedin.com/in/diana-curtis/

# **Development Skills**

**Strong:** JavaScript:ES5, jQuery, CSS3, HTML5, OOP, APIs, PHP, AJAX, SQL, MATLAB

**Experience:** React, Axios, Redux, Node.js, Bootstrap, Python, LaTex

**Tools:** Git, GitHub, Chrome Dev Tools, AWS, Agile Methods, Trello, MeisterTask, Babel. Slack

### **Applications Developed**

Movie Funder – A financial analysis tool for Film Producers – GitHub | Live

- Backend developer who created endpoints with PHP in order retrieve data from MySQL database.
- Created **algorithm** in order to calculate cost to earnings ratio for potential films' earnings.
- Daily stand-ups and **MeisterTask** used to keep track of project developed with **Agile** methodology.
- Utilized ReactJS and JSX to give application functionality and display of data to the user.

**Hackathon** – A mobile first app that quickly helps you find a new restaurant to eat – GitHub | Live

- Create app through the use of **OOP** to properly organize code and keep **APIs** functionalities separated.
- Implemented JavaScript to create AJAX connections with 4 APIs.
- Utilized **HTML** and **CSS** to present restaurant details for a consistent and friendly user experience.
- Built the application in 2 days by implementing Agile methodologies.

Memory Match – A Dwight Schrute Memory Match – GitHub | Live

- Created the functionality of the game, through the use of JavaScript and jQuery.
- Utilized HTML5 and CSS3 to create framework of application.

# **Professional Experience**

California State Polytechnic University – Lecturer, Pomona Ca.

June 2017 - June 2018

- Designed and implemented lesson plans, quizzes, and exams for the mathematics courses: college algebra, trigonometry, business calculus and calculus.
- Provided students with a conceptual challenge to deepen their understanding of mathematics.
- Generated course material that promoted online software to increase students' knowledge of mathematics
- Accomplishments
  - Published in The Mathematical Scientist in Dec. 2017
  - Presented at the Joint Mathematical Meeting Conference Jan. 2018 in San Diego
  - Created a system of closed differential equations for a predator-prey model and utilized MATLAB to generate and display simulations of the model

California State Polytechnic University – G.T.A, Pomona Ca.

Jan 2016 - June 2017

- Created and implemented lesson plans, quizzes, exams, and provided study sessions for basic algebra, pre-algebra, and intermediate algebra.
- Participated in two courses in order to learn how to utilize best practice teaching methodologies.

#### **Education**

California State Polytechnic University, Pomona – M.S. and B.S. in Applied Mathematics LearningFuze Accelerated Web Development Program

- Dedicated 10-12 hours a day over 12 weeks on developing my programming skills.
- Built multiple applications in a team effort to simulate a real work environment by implementing agile methodologies and utilizing MeisterTask for development of applications.