

# Adrian Trujillo

## Software Engineer

Creative and solution-oriented Software Engineer with a strong desire to learn and grow. Ability to adapt to new situations. Strong foundation in math, logic, and programming. Passionate about creating content as well as educating the youth.

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## EDUCATION

### Bachelor of Science in Computer Science California State University, Monterey Bay

08/2015 - 05/2018

#### Courses

- Software Engineering
- Design & Analysis of Algorithms
- Internet Programming
- Data Structures

### Associate of Science in Mathematics Hartnell College

01/2013 - 05/2015

#### Courses

- Analytic Geometry & Calculus
- Linear Algebra

## WORK EXPERIENCE

### Substitute Teacher Salinas Union High School District

01/2019 - Present

#### Responsibilities/Tasks

- Followed and taught lesson plans assigned by a permanent teacher for students in high school.
- Encouraged participation and provided individual instruction as necessary.
- Monitored class activities while maintaining a clean, safe, and educational environment.

### Programmer Hartnell STEM Micro-Internship Program

06/2020 - 06/2020

#### Responsibilities/Tasks

- Employed Agent-Based Modeling (ABM), which utilized individual agents to determine tax and fiscal policies that maximize the stable well-being of all stakeholders.
- Developed a prototype economy in R with several individual agents; at least two for-profit entities and one governing entity.
- Implemented an R Shiny application to visualize changes to the economy.

## TECHNICAL SKILLS

### Programming/Scripting Languages

Java, Javascript, C/C++, HTML5/CSS3, PHP, SQL, Python, R

### Frameworks

React, Bootstrap, Flask, JUnit

### Other Technologies/Knowledge

Amazon Web Services, Git, Heroku, PostgreSQL, API's

## PROJECTS

### Github Finder [🔗](#)

- A web application that utilizes React's State Hook and React's Context API to search and display Github users information and repositories while also implementing Github's API.

### Book Reviews [🔗](#)

- An online book review application built using Flask, PostgreSQL, and an API by Goodreads. Search for books, leave reviews for individual books, and see the reviews made by other people. Also, query for book details and book reviews programmatically via the website's API.

### Wiki Encyclopedia [🔗](#)

- An online encyclopedia web application built using Django. Create a new encyclopedia entry, as well as edit any entry, search for an entry, go to a random entry, or navigate through entries.

### Anomaly Detection for Dynamic Graphs [🔗](#)

- Developed a Python module that ingested dynamic graph data while utilizing an algorithm to visualize anomalies with a network graph model.