

# David Ryan Alviola, MBA

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## Summary:

Full-stack developer transitioning from 5 years of active military service. Enjoys using Java and JavaScript to add functionality to applications. Highly cooperative team member that always seeks the most efficient use of code and welcomes constructive feedback.

## Software Development Projects:

**Smart Giver** – A web application that lets the user search through charities by category or keyword. Once a charity is selected, users can donate directly from the application through the PandaPay API. MySQL was used to build the database and Spring/Java was used for the back-end logic to add the functionality of the features. The server setup was accomplished using Apache Tomcat.

**Simple Simon** – Simple Simon is a memory game where a color pattern is flashed and the player must repeat the sequence to continue to the next round. JavaScript was used to handle the flow and logic of the game, jQuery was used to manipulate and animate elements on the HTML page, and Bootstrap was used for design and mobile responsiveness.

**Weather Map App** – This application displays a map and weather forecast for the requested location. An AJAX request is sent to the GoogleMaps API for geolocation and another AJAX request sent to the openweathermap.org API retrieves a multi-day forecast for the location. Users can also drag and drop a pin to any location on the map and the forecast will update its location. Flat design and flex box were used to make the application mobile responsive.

## Work Experience:

**US Navy Nuclear Trained Surface Warfare Officer**, March 2009 - March 2014

- Evaluated over 300 proposed electrical isolations contributing to one of the most successful aircraft carrier maintenance periods as an Assistant Authorizing Officer.
- Led a team of 23 operators in the safe operation of a nuclear reactor as a Propulsion Plant Watch Officer.
- Planned and supervised the maintenance for 56 technicians who were responsible for the electrical power generation and distribution equipment of the ship's propulsion plant as Reactor Electrical Division Officer.
- Achieved a record of zero electrical safety violations as a Senior Supervisory Watch qualified officer.

## Skills and Qualifications:

### Front-end Development –

JavaScript, jQuery, Bootstrap, AJAX, JSON, HTML, CSS

### Back-end Development –

Java, MySQL, Spring, Linux, Apache Tomcat, cloud deployments

### Version Control –

Git, GitHub

**Business** – business statistics, managerial finance, international economics

**Military** – project management experience, Top Secret clearance, personnel management

## Education and Training:

**Codeup** – An immersive full-stack career accelerator that provides students with 536+ hours of expert instruction in software development.

October 2016 - March 2017

**Texas State University** – Master of Business Administration, International Business, 3.9 GPA, study abroad in Chile, inducted into Beta Gamma Sigma.

August 2014 - August 2016

### Naval Nuclear Power Training

**Command** – Nuclear power plant systems and operations.

January 2011 - February 2012

**University of Texas Austin** – BS Biology, University Honors, 3.5 GPA.

January 2005 - August 2008