

Erick Vazquez Santillan

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Targeting a position as a full-time software engineer.

Summary of Qualifications

- Skilled at designing and implementing client side single page applications with HTML5, CSS3, JavaScript (ES6), Bootstrap, React and Redux.
- Experience creating social web applications with full authentication and authorization systems along with administrator privileges using Ruby on Rails.
- Proficient in Java and Python.
- Working knowledge of REST architecture, Object Oriented Design, Test Driven Development and version control.
- Practical experience building machine learning apps using Spark and Python.
- Practical experience designing and implementing normalized SQL database schemas.
- Competency using Adobe Illustrator and Photoshop to design SVG UI elements for web applications.

Education

- BS in Computer Science, May 2017.
San Jose State University, San Jose, CA.

Relevant Coursework

Software Engineering, Object-Oriented Design, Data Structures and Algorithms, Programming in Python, Relational Database Systems, Programing Paradigms, Artificial Intelligence.

Leadership/Accomplishments

- Coordinated and taught a Python programming class to a local church group of diverse age range. Students achieved basic understanding of the Python programming language and learned about the important role of technology in today's industry.
- Honored as a Dean's scholar by achieving a ≥ 3.65 GPA in at least two contiguous semesters.

Languages and Frameworks

React(Intermediate), Redux(Intermediate), Python(proficient), Java(proficient), Hibernate(beginner), SQL(intermediate), Ruby(intermediate, JavaScript(Intermediate), Rails(intermediate), Bootstrap(intermediate).

Projects

Face Detector - Face classification using support vector machines with stochastic gradient descent.

Collaborated in a team of two to train a model using Apache Spark, Python, Numpy in a AWS M3.Large instance with images of faces found in the web and then used the model to create a face detecting app. The program takes a 15 second video, brakes the video into individual frames and then process each frame using the model to see if a face is detected in the frame, if so it draws a green square around the frame, else it draws a red square, the frames are then stitched together into a gif which is displayed in a web browser. We earned an A in the project and our professor was very impressed so he chose it as one of the top 5 best projects in class. The slides of the presentation along with an example of the output gif image can be seen in the project google slides. <https://goo.gl/3ghWmz>

Work Experience

Ruby on Rails full stack developer	SJSU Research Foundation	March 2017 - July 2017
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Designed and implemented a web application using Ruby on Rails that allows users to store information in a PostgreSQL database that can be later retrieved using tags or the title of the resource. The web application has a full authentication and authorization system implemented from scratch using sessions, a friendly admin dashboard that controls who can sign up to the application, email confirmation using Send grid and several other features.

Software Developer	Fastr Auto Service	August 2017 – Current.
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- Designed and developed business website using HTML5, CSS3, Bootstrap and [React with Redux](#) deployed using Git to Heroku.
- Implemented a feature that allows the change of the language (English ↔ Spanish) with the click of a button.
- <http://www.fastrauto.com>

Software Developer	Raising Brows	August 2016 – August 2016
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- Designed and developed business website using HTML5, CSS3, Bootstrap and [Ruby on Rails](#) deployed using Git to Heroku.
- Used Instagram API to connect the owners top 9 pictures into a gallery in the business website.
- <http://www.raising-brows.com>