

Antonio J Saavedra

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Education

Mills College, Oakland, CA
M. A. Interdisciplinary Computer Science
December 2018

UC Berkeley, Berkeley, CA
B. A. English Literature
August 2014

Skills

Proficient in: Java, JavaScript, Python, SQL, Git
Previous experience with: Magento, Ruby on Rails, PHP, Swift
Familiar with: C++, C#, Go, Haskell
Web: Node, Express, React, Angular, Redux, HTML, CSS, Bootstrap, Unit Testing

Work Experience

Berkeley Bowl Marketplace – *Data Support Engineer* May 2017 – Present

- Developed a custom RESTful API for departmental reporting system, and client applications using Node, Express, React and Redux.
- Created a reporting manager login tool to meet on-demand departmental reporting needs.
 - Implemented email system to verify user registration and password resets.
 - Administrator-level privileges secured access to private store information by granting and revoking access to users.
- Created and refactored MS SQL queries for the IT Department.
- Significantly improved the runtime of All Departments reporting by 93%

Vonnda – *Backend Developer Intern* June 2015 – Feb 2016

- Created and integrated modules into existing Magento and PHP applications. Languages used included PHP, MySQL, JavaScript, Ajax, and XML.
- Implemented and maintained REST services, both custom and 3rd party.
- Created and maintained cron-based services to manage and report customer sales.
- Developed and extended systems to streamline team workflow.

Projects

Nibbler – JavaScript / Node / Express / MongoDB / Angular Present

- Master Thesis project on the importance of new software as a health tool.
- SPA built on the MEAN stack for patients with Celiac Disease or dietary needs.
- Informs users of nearby restaurants and locations that are safe for them to enjoy.
- Custom RESTful API allows users to sign up, log in, post questions and relevant stories.
- Karma system lets users earn points by voting and commenting on online submissions.
- Implemented caching service to limit API calls and efficiently render data.
- Uses Jasmine and Karma for testing

Maze Generator & Solver – Java January 2017

- Java desktop application that generates a random maze each time and solves it with a backtracking algorithm using dynamic programming principles.
- Users can see their mistake in solving it or see the entire solution.