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| Robert **Long**  Programmer | | |
| 2505 E Coolidge Ave.  Orange, CA 92867 | 714-613-2598 | rbtlong@live.com |
|  | | **EXPERIENCE** |  |
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| **Education**  BS in Computer Science  Graduated Spring 2016  UC Irvine  **Skills**  C# .Net, LINQ, WPF  Python, Golang, Java, Node.js  HTML5, CSS3, ECMA6  Web Sockets  MySQL, MSSQL, NoSQL, JSON  AngularJS, SPA, Angular  React.js, Redux, SPA  Nginx, Vim, SSH  Restful Architecture  Functional Programming, OOP | | September, 2016 - Present  Programmer • **Pitzer College**  Create application solutions for school and staff members and maintain school portal. Leverage modern technologies to create effective solutions.  • Created a python web-portal solution to synchronize staff accounts across 3 different systems: Workday, Active-Directory, and CX (Informix). Detects new accounts from Workday and creates Active Directory accounts to feed back into Workday with netid and email. Look-ups aggregate from the 3 systems and groups the same user together.  • Developed a portal for the Registrars to handle specialize tasks like score imports and faculty course requests, and incomplete grades.  • Developed a name pronunciation solution on the portal, eliminating the annual cost for commencement rehearsal. In 2016, 86.5% of students participated, 12.5% increase from the previous year’s vendor solution.  • Developed a Course Request application allowing Faculties to request courses, Liaisons to lock courses, and Registrars to administer and review the courses from the portal. Eliminated days and manual labor of 1586 course forms.  • Created a solution for online forms that tracks who made changes and highlights differences between each entry.  • Created an IRB (Institutional Review Board) portal, that allows for research applicants to apply for a research, and upload documents and media. Allows for admins to review, modify, and process applications. Integrates with Pitzer’s different user account systems.  • Created a solution for Financial Aid’s nightly import process by tracking the files via a hash and downloading them each night, and chronologically organizing them into folders. Also downloads content from slate for imports.  • Maintained code across 35+ solutions and 800+ code documents by refactoring, eliminating duplicate routines, creating a helper library, Method-Chaining, RESTful architecture, and making code more testable.  • Eliminated a connection leak issue affecting Pitzer’s portal for many years by introducing helper libraries, now used 100% of all database transactions in Pitzer’s codebase.  • Created a solution for Incomplete Grades form to replace manual forms, automatically detects when an incomplete grade is aEmerssigned, populates 14 of the 16 fields and prompts faculties when using the portal.  • Manage Pitzer’s code repository using Git and consortium-wide repository using SVN.  • Created an Emergency Contacts/Missing Persons records by prompting students who have not completed the information on student portal.  • Troubleshoot and resolve portal issues by Faculties, Students, and Registrars.  • Created an online Leave of Absence form allowing students to submit an application and several departments to review and process the application via a portal.  • Created a nightly script that SSH into CentOS server, downloads a backup snapshot of CX database, uploads to box, and removes the backup on both local and remote environments upon successfully uploading. Stores and tracks all backups.  • Created a web app that imports AP each night scores from Slate in JSON format in to SQL data and processes each student’s records to suggest eligibility and credits for the registrars to review and approve via a web interface.  • Created an addition to the portal to collect Missing Persons/Emergency contact information of all students and exposes Office of Student Affairs and Residence life.  • Developed 4 portals to satisfy the growing needs by registrars, staff administrators, IRB (Institution Review Board), and HR (Human Resources). Each portal contains applications that solve specific issues raised by the members of their respective departments and serves as a place for further applications to be added in the future. *Runs independently from the student portal built with Python, Angular.js, RESTful, and Single-Page-Application.* | |