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Bryan Relampagos

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SKILLS

Programming Languages: Intermediate: Java, JavaScript.   Prior Experience: C, Python, SQL, PHP
Web Technologies: D3.js, jQuery, HTML, CSS, Bootstrap, Wordpress (CMS)
Tools: Eclipse IDE, IntelliJ IDEA, Git, Subversion, Tableau, MySQL, JUnit, FTP

EXPERIENCE

Contributor - Gosu-lang Programming Language   *Guidewire*   December 2016 - Present
- Provide code samples to illustrate programming fundamentals in the Gosu programming language.
- Define interfaces for common data structures and write JUnit tests to help guide implementation.
- Maintain communication with the Gosu-lang team for code reviews and mentorship.

Web Developer - On One Dance Studio   *Freelance*   November 2016 - Present
- Help organize the structure of the client's website, and defining features for their users.
- Collaborate with the client's graphic designer to establish a great user experience.
- Develop the client's site using the CMS plugin, Wordpress, enabling easy site updates and maintenance.

Teacher's Assistant - Linear Algebra & Probability   *University of San Francisco*   February 2016 - May 2016
- Hosted office hours each week to help students with questions, homework, or exam preparation.
- Graded 12 quizzes in total, which were taken weekly by the students.

STEM Program Volunteer   *Mission Graduates*   March 2014
- Developed several lesson plans designed to introduce students in grades 4 - 6 to HTML.
- Lead 2 sessions for 15 students at Bryant Elementary School following the curriculum developed.

EDUCATION

University of San Francisco, CA - B.S. in Computer Science, Cum Laude - GPA: 3.51

RELEVANT COURSES:
- Software Development
- Data Visualization
- Parallel Computing
- Data Structures & Algorithms
- Operating Systems
- Interaction Design
- Compilers
- Linear Algebra & Probability

PROJECTS

MARS Health Medical Application *Senior Team Project* (HTML, CSS, JavaScript)   May 2016
- Developed a web based application for independent physicians to manage their patients.
- Incorporated *Sinch*, a messaging API, allowing for an encrypted messaging system between patients & physicians.
- Utilized jQuery's AJAX capabilities to view or update appointment/patient information from a MySQL database.

Visualizations - SF Restaurant Health Inspections (D3.js, HTML, CSS, JavaScript)   May 2016
- Preprocessed the "Food Inspections - LIVES Standard" dataset from SF OpenData.
- Implemented a series of interactive visualizations to represent the dataset, e.g. symbol map.

InspirationBot: Twitter bot built with Python that uses the Twitter API to web scrape and post quotes.
Secret Diary: Web application built on PHP + HTML that stores user diary text + credentials in a MySQL database.
Password Manager: Java application for generating and storing user passwords securely with AES encryption.