Bryan Relampagos

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EDUCATION

University of San Francisco, San Francisco, CA   May 2016
Bachelor of Science in Computer Science, Cum Laude

RELEVANT COURSES:

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

WORK EXPERIENCE

Teacher's Assistant - Linear Algebra & Probability   February 2016 - May 2016
University of San Francisco
- Hosted office hours each week to assist students with any questions, homework, or studying.
- Graded weekly quizzes taken by the students.

SKILLS

Programming Languages: Java (intermediate), C (intermediate), JavaScript (intermediate)
Web Technologies: D3.js, jQuery, HTML, CSS
Tools: Eclipse IDE, Git, Subversion, Tableau

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, which provided encrypted messaging to patients.
- 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.

SimpleJava Compiler *Compilers* (C, Java)   May 2015
- Created a parser that traverses simplified java code, produces a sequence of valid tokens, and stores them into an abstract syntax tree to check for syntax errors.
- Implemented a semantic analysis phase that checks the code for any semantic errors.
- Tiled the abstract syntax tree with MIPS32 assembly code that is generated when compiled.

VOLUNTEER

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

LEADERSHIP & ACTIVITIES

Member, Vice President, **VarCity SF - USF's Hip Hop Dance Team**   August 2012 - May 2016