

Bryan Relampagos

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EDUCATION

University of San Francisco, San Francisco, CA
Bachelor of Science in Computer Science, Cum Laude
GPA: 3.51

May 2016

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
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.

SKILLS

Programming Languages: Intermediate: Java, JavaScript, SQL. Prior Experience: C, Python

Web Technologies: D3.js, jQuery, HTML, CSS

Tools: Eclipse IDE, Git, Subversion, Tableau, MySQL

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.

SimpleJava Compiler Compilers (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 for 15 students at Bryant Elementary School following the curriculum developed.

LEADERSHIP & ACTIVITIES

Member, Vice President, **VarCity SF - USF's Hip Hop Dance Team**

August 2012 - May 2016