

# Bryan Relampagos

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## EDUCATION

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

May 2016

### RELEVANT COURSES:

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

## WORK EXPERIENCE

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**Teacher's Assistant - Linear Algebra & Probability**  
*University of San Francisco*

February 2016 - May 2016

- Hosted office hours each week to assist students with any questions, homework, or studying.
- Graded weekly quizzes taken by the students.

## SKILLS

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**Programming Languages:** Java (intermediate), C (intermediate), JavaScript (intermediate), SQL

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

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

## PROJECTS

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**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** (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

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**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

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

August 2012 - May 2016