

Bryan Relampagos

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EDUCATION

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

May 2016

RELEVANT COURSES: Software Development, Parallel Computing, Data Structures & Algorithms, Compilers, Operating Systems, Data Visualization, Interaction Design, 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 assist students with any questions, homework, or studying.
- Graded weekly quizzes taken by the students.

SKILLS

Programming Languages: Java (intermediate), C (intermediate), Javascript (intermediate)
Frameworks/Libraries: D3.js, jQuery

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 that allows for encrypted messaging to patients.
- Utilized jQuery's Ajax capabilities in order to view or update appointment/patient information from a SQL 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 choropleth map, a symbol map, and a stacked bar chart visualization using d3.js.

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 developed in the lesson plans.

LEADERSHIP & ACTIVITIES

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

August 2012 - May 2016