Bryan Relampagos

barelampagos@gmail.com | github.com/barelampagos | linkedin.com/in/barelampagos

EDUCATION

University of San Francisco, San Francisco, CA   Expected Graduation: May 2016
Bachelor of Science in Computer Science

RELEVANT COURSES:
Software Development, Parallel Computing, Data Structures and Algorithms, Compilers, Operating Systems, Data Visualization

WORK EXPERIENCE

University of San Francisco   February 2016 - Present
Teacher's Assistant - Linear Algebra and Probability
- Host several office hours a week to assist students with any questions or homework.
- Grade weekly quizzes taken by the students.

SKILLS

Programming Languages: Java, C

RELEVANT PROJECTS

SimpleJava Compiler   Spring 2015
Compilers
- Created a parser that traverses simplified java code, produces a sequence of valid tokens, and stores them into an abstract syntax tree.
- 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.

Back-End of Search Engine   Fall 2013
Software Development
- Created an inverted index to store and quickly retrieve indexed text / parsed HTML files.
- Optimized indexing by multithreading the parsing algorithm.
- Identified and repaired bugs using the JUnit framework.

VOLUNTEER

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

LEADERSHIP & ACTIVITIES

VarCity SF - USF's Hip Hop Dance Team   Fall 2012 - Present
Vice President, Former Artistic Director
- Lead workshops in order to train the USF dance community on hip hop fundamentals.
- Coordinated with other members of the executive board to plan an annual dance showcase.