Juan C. Torres

Dartmouth College, 3262 Hinman, Hanover, NH, 03755, USA
juan.c.torres.17@dartmouth.edu • +1 (617) 230-9489 • http://juantorres.me

EDUCATION

Dartmouth College, Hanover, NH, USA

Bachelor of Arts (B.A.) in Computer Science Sep 2013 – Jun 2017
- Relevant major courses: Introduction to Programming and Computation, Problem Solving via Object-Oriented Programming, Discrete Mathematics in Computer Science, Software Design and Implementation, Computer Architecture, Risks of the Internet of Things to society.
- Other relevant courses taken: Introduction to Calculus, Calculus of Functions of One and Several Variables, Linear Algebra with Applications.
- Courses in progress and planned: (Winter 2016): Compilers, Machine Learning. (Spring 2016): Algorithms, Smartphone Programming.

University of Copenhagen, Copenhagen, Denmark

Exchange program in Sociology Aug 2015 – Jan 2016

Jorge Robledo Institute, Medellin, Colombia

Primary and Secondary Education Jan 1999 – Nov 2011
- Class rank: 1/65
- Finalist in state-wide Chemistry and Physics and Mathematics olympiads.

RELEVANT WORK EXPERIENCE

Dartmouth College Computer Science Department, Hanover, NH, USA

Section leader for Introduction to Programming and Computation Mar 2015 – Jun 2015
Section leader for Problem Solving via Object-Oriented Programming Jan 2016 – Mar 2016
- In weekly meetings, help students conceptually understand the course material, and cement their knowledge by leading them through a series of programming exercises.
- Grade students' coursework and exams.
- Help students improve, debug, and fix their code for course assignments in scheduled weekly help sessions.

OTHER WORK EXPERIENCE

Dartmouth College Spanish Department, Hanover, NH, USA

Apprentice Teacher Sep 2013 – Mar 2015
- Met several times a week with students to challenge them orally in Spanish to improve their language proficiency.
- Graded student performance in said meetings and assisted Professor in their evaluation of individual students.

PROJECTS

Tiny Search Engine. C, curl library
- Created during the course of a term of 'Software design and implementation' a working model of a basic search engine that would crawl, index, and let the user query its database for particular data.

Design for Y-86 Processor. Logisim (tool for designing and testing digital logic circuits)
- Created during one term of 'Computer Architecture' a working simulation of a processor that could execute programs written in Y-86 (subset of X-86 assembly).

Compiler for C subset. C, flex, bison
- Implement during the course of a term a basic compiler for a subset of the C language for 'Compilers' class.

Interactive Office Directory. Python, shell script, interface running on Raspberry Pi.
- Implemented a server application allowing visitors to consult the availability of particular workers in an office. If available, directed them to their office. Otherwise, allowed the user to leave a message.

CAMPUS ACTIVITIES

Dartmouth Hacker Club, Dartmouth College

Member Jun 2015 – Aug 2015
- Helped organize the college's second annual hackaton.

World Outlook Undergraduate Journal of International Affairs, Dartmouth College

Executive Editor, Web manager Mar 2014 – Present
- Help design and maintain organization's web presence, arrange journal's cover and create other graphic materials.
- Help in the selection of papers to be published. Lead editing groups in editing and proofreading selected papers.

SKILLS

Programming Experience: Advanced Python, advanced Java, intermediate C, intermediate shell script, beginner C++, Acquainted with Y86 (reduced-instruction subset of X86 assembly).

Other skills and tools: LaTeX, Flex and Bison (tools for creating a parser for different file formats), Logisim (tool for designing and testing digital logic circuits), Adobe Illustrator, photography.

LANGUAGES

Native Spanish, intermediate French (speaking, reading, writing), beginner Latin (reading, writing).

[CV compiled on 2016-02-02.]