

Alan Peral

CONTACT INFORMATION

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EDUCATION

Pomona College, Claremont, CA
B.A., Computer Science

May 2018

Relevant Coursework

Algorithms, Operations Research, Data Structures and Advanced Programming, Machine Learning

SKILLS

Programming Languages: Java, Javascript, HTML, CSS, C, SML, R, \LaTeX
Frameworks/Libraries: jQuery, AngularJS, Bootstrap
Languages: Spanish, French

EXPERIENCE

WunderTec, Mexico City

Intern

June 2016 – Aug 2016

Worked on building enterprise software to handle every aspect of clients' business operations, including project management, online payment processing, automated billing systems. IT service management, customer relationship management, and more.

CodeU

Mentee

Feb 2016 – Aug 2016

Completed online technical curriculum to increase fluency with advanced algorithms and working with databases. Working with the Apache Lucene library, built a search engine with auto-complete capabilities, spell-check feature, TF-IDF implementation, and other features.

Computer Science Department, Claremont, CA

Math Department, Claremont, CA

Teaching Assistant

September 2016 – Present

Held weekly mentor and lab sessions for 50 students in an Introductory Computer Science course. Graded problem sets for 20 students in Introduction to Computer Science. Also held mentor sessions for 30 students in an Honors Calculus course. Grading problem sets for students in a Combinatorics course.

Math Department, Claremont, CA

Research Assistant

Feb 2016 – May 2016

Conducted research in the field of combinatorics. We formed sets from the divisors of various (individual) numbers and analyzed the maximal chains and cutsets of the posets of all subsets formed from each set. We then looked for patterns in the number of maximal chains across sets.

ACTIVITIES

Pomona College, Claremont, CA

Resident Assistant

May 2015 – May 2016

Served as the first point of contact for all needs of hall residents with the goal of establishing a positive living environment. Responsible for assisting with security, addressing emergencies, coordinating campus-wide activities, counseling, and enforcing college policies.

Chicano-Latino Student Affairs, Claremont, CA

Mentor

August 2016 – May 2017

Served as a mentor for first year students who identified as latinx in order to ease their transition into an often alienating college environment.