ANTHONY BAHADIR LOPEZ

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EXPERIENCE

Undergraduate Researcher at UC Los Angeles 0/6/2014 - 08/29/2014
Conducted research in the lab of Dr. Miodrag Potkonjak for 10 weeks. 40-50 Hrs/ Week.

Undergraduate Researcher at UC San Diego 06/2013 - Present
Continuously conducting research in the Synergy Lab. 10-15 Hrs/ Week.

CSE 3: Fluency in Information Technology Tutor 03/2014 - 06/2014
Responsibilities include: Preparing, reading and evaluating homework and lab assignments, performing individual and/or group tutoring, and maintaining and submitting student grades. 3 Hrs, / Week
Materials taught in class are: *Javascript, HTML, CSS, Microsoft Excel, and Alice.*

CSE 11: Intro to Java Programming (Accelerated Pace) Tutor 07/2013 - 08/2013 ; 03/2014 - 06/2014
Responsibilities include: Preparing, reading and evaluating program assignments, proctoring examinations, performing individual and/or group tutoring, maintaining and submitting student records (e.g. grades). 6 Hrs. /Week.
Materials taught in class are: *Java, Polymorphism, Encapsulation, Inheritance, Abstraction, Recursion, and Algorithms.*

CSE 100: Advanced Data Structures (In C++) Tutor 01/2014 - 03/2014
Responsibilities include: Preparing, reading and evaluating 2 papers per student, proctoring 2 examinations, performing individual and/or group tutoring, maintaining and submitting student records (e.g. grades). 10 Hrs. /Week.
Materials taught in class are: *C++, Heaps, Trees (Binary, Treaps, Huffman, Ternary, Red-Black, 2-3), Hashing, Compression and Decompression*.

CSE 140: Digital Systems - Technology and Design Tutor 09/2013 - 12/2013
Responsibilities include: Preparing, grading approx. 60 papers per assignment. 10 Hrs. /Week.
Materials taught in class are: *Boolean Logic, Digital Circuit Design, Timing Diagram Analysis, Flip Flops, Hamming Distance, Error Detection and Correction, Finite State Machines, and Combinational and Sequential Logic.*

CSE 140: Digital Systems - Technology and Design Tutor 08/2013 - 09/2013
Responsibilities include: Preparing, reading and evaluating approx. 30 papers per assignment, proctoring 3 examinations, performing individual and/or group tutoring, maintaining and submitting student records (e.g. grades), designing examinations. 12 Hrs. /Week.
Materials taught in class are: (see above).

ORGANIZATIONS

UC LEADS Cohort 06/2013 - Present
Research program directed towards minorities and students in need that display academic excellence.
It requires cohorts to research under a mentor for one to two years in a project related to STEM (Science, Technology, Engineering and Mathematics) and frequently present the conducted research.

NSF-CAMP Cohort 06/2013 - Present
Science, Engineering and Mathematics program at UC San Diego provides support and advancement opportunities to ethnically underrepresented students who are seeking bachelor's degrees in a STEM field.

STARS Program 06/2013 - 09/2013
Summer research program that requires students to attend a lab for 40hrs a week and to present their research in an undergraduate research conference at UCSD.

UCSD Badminton Club 09/2011 - Present
Elected officer - Captain of Badminton Club (2012-2013)

PRESENTATIONS

Oral Presentation at UCSD Undergraduate Research Conference **4/26/2014**

Poster Presentation at UC LEADS Conference at UC Riverside **4/22/2014**

Poster Presentation at SACNAS (Society for Advancement
of Chicanos and Native Americans in Science) Conference
in San Antonio, Texas **10/04/2013**

Oral Presentation at STARS Research Conference
at UC San Diego **8/15/2013**

EDUCATION

B.S. Computer Engineering 2015, University of California - San Diego, CA
Major Upper Div GPA: 3.5/4.0, Overall GPA: 3.37/4.0

COMPUTER SKILLS

Languages
Java, C, C++, Python,
HTML, Javascript, CSS,
SPARC, MIPS, Verilog,
System Verilog

Software
MS Excel, Word, PowerPoint,
PSpice, LogicWorks,
MATLAB, Eclipse,
Quartus, Modelsim,
GIT, ActiveMQ

Operating Systems
Windows, Linux, Unix

AWARDS

NACME Scholarship   2013-2015
Walsh Scholarship   2014-2014
Create Scholarship   2012-2013
Provost's Honors   Fall 2011; Winter 2012; Spring 2013; Fall 2013
Salutatorian at San Diego High School - Int'l Studies 2011

LANGUAGES

English: Native language
Spanish: Intermediate Listener, Intermediate Speaker, Advanced Reading and Writing