

# LUIS E. LOPEZ

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<https://lelopez.io>

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## SUMMARY

Computer engineering student with experience in web development, software engineering, and algorithms currently seeking an opportunity in web based software engineering

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## EDUCATION

<b>Bachelor of Science,</b>	<b>Computer Engineering</b>	<i>Expected May 2019</i>
▲ University of Houston, Cullen College of Engineering – Houston, Texas		

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## PROJECTS

<b>MP3 Parser,</b>	<b>C/C++</b>	<i>Nov. 2017</i>
▲ Wrote an executable program to crawl file directories and extract MP3 files' metadata		
<b>Audio Amplifier,</b>	<b>Electronics</b>	<i>Nov. 2017</i>
▲ Utilized LabVIEW software to design a three-way crossover/amplifier circuit		
▲ Built a final circuit to filter audio frequencies into tweeters, mids, and subwoofers		
<b>Water Filter,</b>	<b>MATLAB</b>	<i>May 2017</i>
▲ Created a MATLAB simulation to analyze the fluid flow of molecules through pipes		
▲ Determined critical points in a water filtering system to proactively prevent damages		

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## EXPERIENCE

<b>Web Developer,</b>	<b>University of Houston</b>	<i>July 2017–Present</i>
▲ Spearheaded the redesign and launch of the Graduate College of Social Work's website		
▲ Designed an animated bookshelf using pure CSS code to promote faculty publications		
▲ Use HTML, CSS, and JavaScript to update the University's website with fresh content		
<b>Clerical Assistant,</b>	<b>DMCA LLP</b>	<i>June 2017–Present</i>
▲ Wrote a program in Python to automate the inventory process of over 300 client cases		
▲ Ensure case files are digitized and accessible online to five DMCA offices in Texas		
▲ Monitor case progress and schedule client meetings in order to meet filing deadlines		
<b>Project Director,</b>	<b>Z&amp;E Services</b>	<i>Aug. 2016–Jan. 2017</i>
▲ Launched a tutoring service which lead to increased tenant retention and satisfaction		
▲ Developed a web application solution to help our tutors track over 65 students		
▲ Landed contracts and expanded our services to two additional apartment complexes		

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## SKILLS

JavaScript	Git	WordPress	Java	Microprocessors
HTML	Ruby	Cascade CMS	C/C++	Electronics
CSS	Rails	Amazon AWS	Python	Signals & Systems
PHP	SQL	Adobe Creative Suite	MATLAB	Digital Logic Design

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## LEADERSHIP

<b>Web Development,</b>	<b>lelopez.io</b>	<i>May 2017–Present</i>
▲ Helping local businesses increase their online audience and establish a global presence		
<b>Marketing,</b>	<b>Society of Hispanic Professional Engineers</b>	<i>Aug. 2016–Present</i>
▲ Use graphic design and copywriting skills to attract and promote student engagement		
<b>Tutoring,</b>	<b>Lamar University/ University of Houston</b>	<i>Aug. 2014–May 2016</i>
▲ Helped students pass courses in Calculus I-III, Physics I-II, C/C++ and MATLAB		
<b>Volunteering,</b>	<b>Habitat for Humanity</b>	<i>Aug. 2014–May 2016</i>
▲ Assisted in the construction of homes to house South East Texas families in need		