

# Gerard (Jed) Mijares

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EDUCATION	<b>University of Kentucky, Lewis Honors College</b> <i>Candidate for B.S. in Computer Engineering</i>	<b>GPA: 4.00</b> <i>Anticipated: Spring 2021</i>
EXPERIENCE	<b>Electronics Research and Development Co-op</b> <i>Midea America Research Center</i> <ul style="list-style-type: none"><li>Programmed in C++ to develop embedded prototypes for home appliances, and added functionality to software written by previous co-ops</li><li>Prepared presentation for Midea's mechanical co-ops on Arduino hardware and programming for rapid prototyping</li><li>Used Autodesk EAGLE to capture schematics and lay out prototypes' PCBs</li></ul>	<b>Summer 2018 and 2019</b> <i>Louisville, KY</i>
	<b>Electrical Team Member</b> <i>Solar Car Team</i> <ul style="list-style-type: none"><li>Electrically designed car's dashboard and steering wheel, including defining functionality, selecting components, creating schematics, and PCB layout</li><li>Communicated with team members of various disciplines to define mechanical constraints and software requirements of electrical systems</li><li>Helped new members in processes such as using CAD software or soldering PCBs</li></ul>	<b>Fall 2017 – Present</b> <i>University of Kentucky</i>
	<b>Engineering Peer Tutor</b> <i>Tau Beta Pi</i> <ul style="list-style-type: none"><li>Assisted engineering and computer science students in understanding coursework</li></ul>	<b>Fall 2018</b> <i>University of Kentucky</i>
	<b>Student Assistant</b> <i>Kumon Math and Reading Center</i> <ul style="list-style-type: none"><li>Lead students in elementary to high school through math and reading assignments</li></ul>	<b>Summer 2017</b> <i>Newburgh, IN</i>
PROJECTS	<b>Handheld Battleship Game</b> <ul style="list-style-type: none"><li>Worked in a team of two to implement Battleship on a TI Tiva Launchpad board</li><li>Responsible for designing and implementing game logic, component selection and integration, and PCB design and assembly</li></ul>	<b>Spring 2019</b>
	<b>Material Sorting Machine</b> <ul style="list-style-type: none"><li>Lead a team of five students building a device that sorted 5 types of disks</li><li>Wired and programmed an Arduino with a photoresistor, multicolored LED, and several servo motors to categorize, and sort the disks by physical properties</li></ul>	<b>Spring 2018</b>
HONORS AND AWARDS	<b>Patterson Scholarship</b> A full ride to the University of Kentucky, awarded for National Merit Scholar status <b>Signet Essay Contest Scholarship Winner</b> \$1000 scholarship awarded for an essay written on Shakespeare's <i>The Tempest</i>	