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| **Gerard (Jed) Mijares** | | jed@mijar.es  (812)-217-2160 | linkedin.com/in/g-mijares  github.com/jedmijares |
| **EDUCATION** | **University of Kentucky, Lewis Honors College GPA: 4.00**  *Candidate for B.S. in Computer Engineering Anticipated: Spring 2021* | | |
| **EXPERIENCE** | **Electronics Research and Development Co-op Summer 2018 and 2019**  *Midea America Research Center Louisville, KY*   * Programmed in C++ to develop embedded prototypes for home appliances, and added functionality to software written by previous co-ops * Prepared presentation for Midea's mechanical co-ops on Arduino hardware and programming for rapid prototyping * Used Autodesk EAGLE to capture schematics and lay out prototypes’ PCBs   **Electrical Team Member Fall 2017 – Present**  *Solar Car Team University of Kentucky*   * Electrically designed car’s dashboard and steering wheel, including defining functionality, selecting components, creating schematics, and PCB layout * Communicated with team members of various disciplines to define mechanical constraints and software requirements of electrical systems * Helped new members in processes such as using CAD software or soldering PCBs   **Engineering Peer Tutor Fall 2018**  *Tau Beta Pi University of Kentucky*   * Assisted engineering and computer science students in understanding coursework   **Student Assistant Summer 2017**  *Kumon Math and Reading Center Newburgh, IN*   * Lead students in elementary to high school through math and reading assignments | | |
| **PROJECTS** | **Handheld Battleship Game Spring 2019**   * Worked in a team of two to implement Battleship on a TI Tiva Launchpad board * Responsible for designing and implementing game logic, component selection and integration, and PCB design and assembly   **Material Sorting Machine Spring 2018**   * Lead a team of five students building a device that sorted 5 types of disks * Wired and programmed an Arduino with a photoresistor, multicolored LED, and several servo motors to categorize, and sort the disks by physical properties | | |
| **HONORS**  **AND AWARDS** | **Patterson Scholarship**  A full ride to the University of Kentucky, awarded for National Merit Scholar status  **Signet Essay Contest Scholarship Winner**  $1000 scholarship awarded for an essay written on Shakespeare’s *The Tempest* | | |