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| **Gerard (Jed) Mijares** | | (812)-217-2160  jed@mijar.es | [linkedin.com/in/g-mijares](https://www.linkedin.com/in/g-mijares/)  [github.com/jedmijares](https://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 * Collaborated with software engineers at Midea’s San Jose office to integrate artificial intelligence software to a system through the Nvidia Jetson * Prepared presentation for Midea's mechanical engineering co-ops on Arduino hardware and programming for rapid prototyping * Used Autodesk EAGLE to capture schematics and lay out custom PCBs * Created a user interface with SFML on a Linux based appliance prototype   **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 * Assisted newer members in learning various processes, such as using CAD software, assembling PCBs, and operating electrical lab equipment   **Engineering Peer Tutor Fall 2018**  *Tau Beta Pi University of Kentucky*   * Assisted engineering and computer science students in understanding coursework | | |
| **PROJECTS** | [**Handheld Battleship Game**](https://github.com/jedmijares/Battleship-Handheld) **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**](https://www.penguinrandomhouse.com/signet-essay-contest-winner-2017-gerard-mijares/)  $1000 scholarship awarded for an essay written on Shakespeare’s *The Tempest* | | |