

# Gerard (Jed) Mijares

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**EDUCATION**   **University of Kentucky**   **GPA: 4.00/4.00**  
*Candidate for B.S. in Computer Engineering*   *Anticipated: December 2021*

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**EXPERIENCE**   **Midea America Research Center**   **Louisville, KY**  
*Electronics Research and Development Co-op*   *Summer 2018, Summer 2019*  
*Remote Co-op*   *Summer 2020 – Fall 2020*

- Programmed in C++ and built hardware assemblies to develop rapid advanced prototypes for home appliances
- Collaborated with software engineers at Midea's California and China offices to integrate innovative features to a system through the Nvidia Jetson
- Prepared and presented training for Midea's mechanical engineering co-ops on Arduino hardware, programming for rapid prototyping, and soldering

**Universal Creative**   **Orlando, FL**  
*Parkwide Systems Intern*   *Fall 2019*

- Created and maintained documents with AutoCAD and Excel to facilitate development of parkwide systems such as security, audio, and networking
- Reviewed and annotated drawings prepared by vendors using Bluebeam Revu
- Communicated with managers of several disciplines to create an internal specification document outlining over 30 parkwide systems

**UK Solar Car Team**   **University of Kentucky**  
*Electrical Team Member*   *Fall 2017 – Spring 2019*

- Designed car's dashboard and steering wheel, including defining functionality, selecting components, and PCB design with Autodesk EAGLE

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**PROJECTS**   **Handheld Battleship Game**

- Implemented game on a TI microcontroller development board in a team of two
- Designed and programmed game logic in C, selected and integrated electronic components, and designed and assembled PCBs

**Spaceward Unity Game**

- Created a 3D space shooter using Unity and C#, playable in a web browser

**Watch Me Game Bot**

- Wrote a bot in Python that automatically plays Nintendo's *Game & Watch Gallery*

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**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*