

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*

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

- 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

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*

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*