

# Computer Science and Engineering 2021

For Rising 9th and 10th Grade GEAR UP Jefferson County Students

Take part in hands on Game Programming and Computer and Electrical Engineering Camps at UAB-CORD. Spend the week exploring the basics of Game programming and Learn how to build, design, and create!



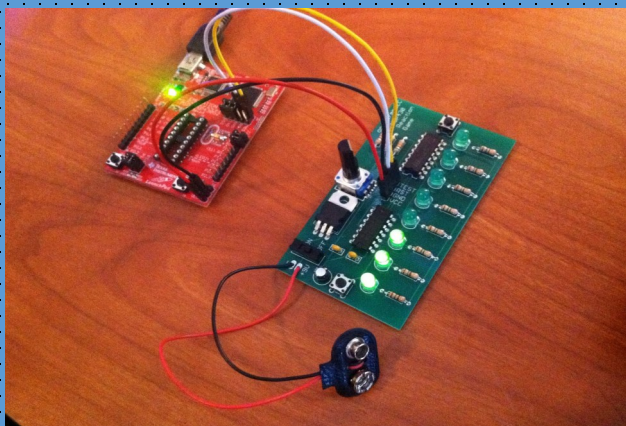
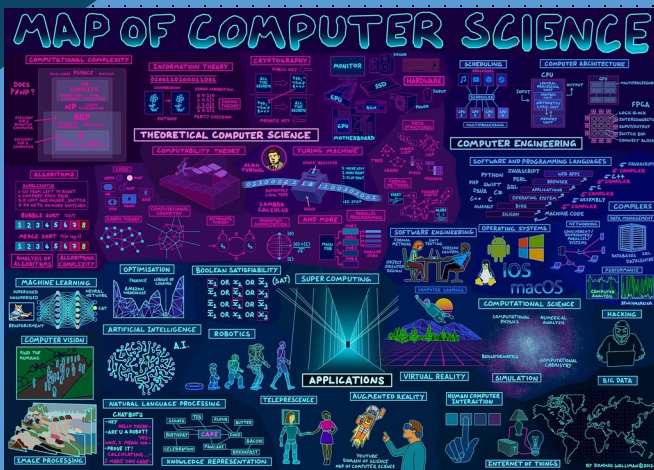
GameProgramming  
June 21 - 25, 2021

Computer and Electrical  
Engineering  
July 26 - 30, 2021

The second Camp is builds on the foundation developed in the first Camp. However, students can take either camp individually.

Tuition Scholarships  
Available for All GEAR  
UP Jefferson County  
High School Students.

(See next page for list of GU-JC  
High Schools)



See the next page for additional details and descriptions!

## Computer Science and Engineering

Computer Science and Engineering is a two week course that will provide instruction in Game Programming and Computer and Electrical Engineering. The second Camp is based on the foundation developed in the first Camp. However, students can take either camp individually. Week One (June 21-25) students will spend the week exploring the basics of game programming. Week Two (July 26-30) students will learn how to build, design, and create!

GU-JC students will:

- Gain a basic foundation of programming in C#
- Learn the basics of Game Programming with Unity 3D
- ♦ Learn basic and advanced programming concepts.
- ♦ Learn how to layout and design circuits using Arduinos.
- ♦ Gain the skills needed to change the world around you.
- ♦ Build a strong foundation for learning programming, computer and electrical engineering.
- ♦ Learn to use Open-Source software and hardware and much more!

### **Two Weeks Offered:**

June 21 - 25, 2021 (Game Programming)

July 26 - 30, 2021 (Computer and Electrical Engineering)

**Tuition Costs:** No Cost to GU-JC Students

**\*Students entering 10th grade in the following schools will receive a Gear Up Scholarship for the entire tuition amount:**

**Bessemer City High School, Fairfield High Preparatory School,  
Midfield High School, Tarrant High School,  
Clay-Chalkville High School, Center Point High School,  
Fultondale High School, Hueytown High School, Shades Valley  
High School, McAdory High School, Minor High School, Pleasant  
Grove High School, and  
Pinson Valley High School**

**Applications can be found on our website:  
[www.uab.edu/cord](http://www.uab.edu/cord) and the **GU-JC** website.**



### **Contact Us:**

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