

University of Illinois at Urbana-Champaign  
Dept. of Electrical and Computer Engineering

## ECE 120: Introduction to Computing

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### ASCII Screen Art

## Let's Develop a Program

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Let's develop a program together.

Given an array of 3-tuples

- X position
- Y position
- ASCII character

which ends with a negative X position,

we want to draw a screen with those ASCII characters.

## We Will Use Three Steps to Accomplish Our Task

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We'll write this code in three steps:

1. Write one string filled with spaces per row into a 'screen' in memory.
2. Parse the array, adding the ASCII characters to the 'screen.'
3. Dump the 'screen' to the real monitor.