

# DigiTool Inc.

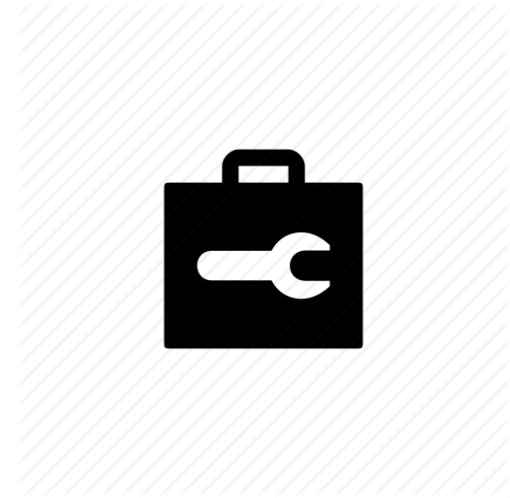


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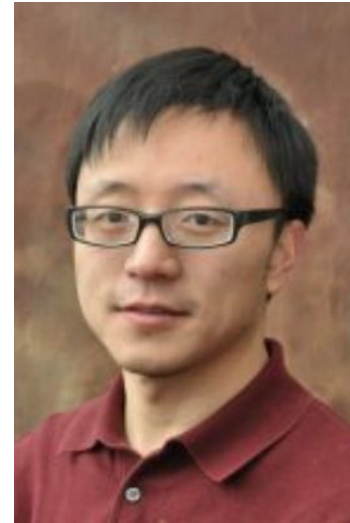
# Introduction

- Digital Logic
- DigiNAU Digital Logic Self-study Tool Kit
- Tutoring System
  - Practice Content
    - K - Maps
    - Numerical Conversions
    - Circuits



# Client

- [Xi.Zhou@nau.edu](mailto:Xi.Zhou@nau.edu)
- 928-523-0902
- Assistant Professor of Practice
- Specializes in Electrical Engineering
- Ph.D. Material Science & Engineering @  
Norfolk State University
- VLSI design, semiconductor device design,  
new electronic material synthesis



# Client Concerns

- Wants a web application that can be used for Digital Logic
- The application will serve as a self-study tool for students to use
- Basic requirements:
  - Should allow students to create an account
  - Will have modules for the different topics
  - Should save a student's progress in modules
  - Students can't progress to next module until they pass current one



# Our Solution

- We currently have an old program he had developed prior
- However...
- We could convert it to a regular Java application
  - Not portable enough
- Most likely going to rewrite the entire thing in JavaScript
  - Far more compatible with browsers
  - TypeScript
- Once everything is reimplemented, we can improve it to better inversion what he wants



# Plan for development

- Frequent client meetings
  - Discuss project requirements
  - Discuss project implementations
- Kanban Board
  - Manage work

