

Jerrod Thomas Batu

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EDUCATION

University of Nevada, Las Vegas Spring 2024
Bachelor of Science, Computer Engineering **GPA: 3.62**

West Career and Technical Academy (WCTA) May 2018
Civil & Environmental Engineering Program **GPA: 3.80**

TECHNICAL SKILLS

Languages: JavaScript, AutoCAD, C++, C, **SystemVerilog**, **Verilog**, Python, Risc-V Assembly, MIPS Assembly, VHDL
Operating Systems: Windows, Linux, macOS
Tools: **FPGA**, **Quartus II**, **Model Sim**, Visual Studio Code, MobaXterm, VirtualBox, **LTSpice**, Multisim, **Microsoft Office**, Active HDL

ENGINEERING PROJECTS

Simon Says - Junior Design Competition

- Utilized SystemVerilog to implement a *Simon Says* game onto an Altera DE2-115 FPGA board
- Simulated the game through a testbench and examined waveforms from Quartus II to determine correct outputs
- Conceptualized and formatted finite state machines for different stages of my game to process
- Through each stage the user were to follow the LED display on what function to perform

LEADERSHIP EXPERIENCE

Recording Secretary - Tau Beta Pi

- Recorded information through officer meetings to delegate responsibilities amongst the board
- Emailed members and eligible candidates on updates and events regarding the organization

RELEVANT COURSEWORK

- Created a personal web page by using **JavaScript** taught in a web design class
- Drafted and constructed greenhouse shed via **AutoCAD**
- Coded a *MineSweeper* game with **C++** and Visual Studio Code
- Programmed a *Word Ladder* algorithm through **C++** and **MobaXterm**

HONORS AND ACTIVITIES

AWS Educate Introduction to Cloud 101 Certification 2022
Tau Beta Pi, **Recording Secretary** 2022 - Present
GALS LV Volunteer 2022 - 2022
UNLV **Dean's Honor List** 2020 - 2022
Governor Guinn Millennium Scholarship recipient 2018 - Present
Alyn Beck and Igor Soldo Scholarship recipient 2018 - 2018
WCTA Advanced Honors Diploma 2018