

TODD NIELSEN

Computer Engineering Student

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📍 Ogden, UT

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EDUCATION

Bachelor of Science Computer Engineering

University of Utah

📅 August 2017 – May 2020

📍 Salt Lake City, UT

- University of Utah Dean's List

SKILLS

- Communication and leadership
- Software languages: C Sharp, C, C++, Java, SQL, Swift
- Hardware languages: Verilog, MIPS
- Time management
- Calm under pressure or stress

PROJECTS

Simon Electronic Memory Game

- Build the game Simon Electronic Memory game using Arduino board
- Used C++ to respond to user inputs

LED Clock/Stopwatch

- Build a LED clock and stopwatch using an fpga board
- Designed the clock/stopwatch with Xilinx and used verilog to code the clock

EKG

- Build an Ekg using electrodes
- MyDaq software was used to read waveforms

Security Door

- Built a door with an RFID card as a key
- Arduino was used as interface between software and hardware

Electric Longboard

- Developed wireless remote with arduino
- Designed battery level display using LEDs

TECHNICAL CLASSES

CS 4400

Fall 2020

📅 University of Utah

- Computer Systems

ECE 3710

Fall 2020

📅 University of Utah

- Computer Design Lab

ECE 3810

Spring 2020

📅 University of Utah

- Computer Organization

CS 3500

Spring 2020

📅 University of Utah

- Software Practice

ECE 2280

Spring 2019

📅 University of Utah

- Fundamentals of Engineering Electronics

ECE 3700

Spring 2019

📅 University of Utah

- Fundamentals of Digital Design

ECE 2240

Fall 2018

📅 University of Utah

- Intro into Electric Circuits

EXPERIENCE

Dialysis Technician

Intermountain Healthcare

📅 Sept 2012-Present 📍 Murray, UT

- Prepare patients for dialysis treatment
- Monitor patients while on dialysis machine

Certified Nursing Assistant

Intermountain Healthcare

📅 Nov 2011-Sept 2012 📍 Ogden, UT

- Assist patients with daily activities
- Record patients vitals