

Swapnil Thapa

<https://swapnilportfolio.herokuapp.com>

thapaswapnil08@gmail.com

617-932-9354

<https://www.linkedin.com/in/swapnil-thapa-833039156/>

Motivated to apply the principle of learn to be curious by educating outside of school work. Data driven and well-organized college student looking for internship opportunities to excel in Software Engineering.

Skills

Programming Skills

- C++ ●●●○○
- VerilogHDL ●●●○○
- Python ●●○○○
- MySQL ●●○○○
- HTML/CSS ●●●○○
- JavaScript ●●●○○
- Node.js ●○○○○
- React.js ●○○○○

Functional Skills

- Problem-solving
- Emacs
- Linux
- MATLAB
- Git
- MS Office
- VS code
- Mathematica

Education

Brigham Young University – Idaho

B.S. in Computer Engineering

Graduating July 2021

Belmont High School

Diploma

Graduated June 2016

Relevant Coursework: Procedural Programming in C++, Object-Oriented Programming in C++, Data Structures, Engineering Statistics, Software Design and Development, Embedded Systems, Web Development

Projects

Sorting Visualizer — React.js

- Developed responsive react web application for visualizing 4 sorting algorithms

Web Pages

- Responsive webpage utilizing Web technology (AJAX) to accomplish a request to a CGI web services to retrieve JSON data

Moon Lander – C++

- Utilized object-oriented paradigm and algorithm formulations to implement functionality for the lander

Scanner App – Java

- Led team of 5 in designing the User interface (UI) of the scanner app and implemented the ZXing library for scanning barcodes
- Analyzed by undertaking exactly 100 surveys to get feedback on the User Experience of Scanner app

Home Alarm System — Verilog HDL

- Implemented HC-SR501 PIR Motion Detector into the main project to detect movements near the system
- Delivered testing codes to resolve why the state machine was not moving through the different states

Volunteer & Experience

Massachusetts Youth Rugby Organization

June 2015 – August 2015

Rugby Coach

- Trained youths 10-17 years old group with relevant skills, tactics and techniques of Rugby during summer camp
- Expedited and enhanced performances of participants by developing training programs and schedules in collaboration with supervisor

Belmont High School

October 2013 – June 2015

Librarian Assistant

- Prepared, compiled and maintained library equipment and collections
- Directed students by providing exceptional service and attention to student's needs

Belmont Council on Aging

October 2014 – December 2014

Office Clerk Assistant

- Administered physical and digital filing systems, keeping records organized and readily retrievable by team members
- Guided and anticipated clerical needs of company employees, including copying, faxing and file management