

DALLIN DAHL

dallinjdahl@gmail.com ◇ (971)238-6117 ◇ dallinjdahl.github.io ◇ linkedin.com/in/dallinjdahl/

EDUCATION

Brigham Young University

Apr 2022

Bachelor of Science, Computer Engineering

Minor: Math & Computer Science

GPA: 3.33

4th Place Google Tech Challenge

Feb 2020

National Merit Scholar

Mar 2016

Relevant Coursework

Digital Systems Design

Circuit Analysis & Design

Data Structures

Computer Architecture

Embedded Programming

Signals & Systems

Linear Algebra

Computational Theory

TECHNICAL SKILLS

Proficiency

UNIX C Stack

Linux

Git

Go

SystemVerilog

Circuit Analysis

Stack-Based Programming

Bash

Embedded Programming

C++

Metaprogramming

Java

Arduino

Functional Programming

Dataflow Programming

Junior Year

Circuit Design LTI System Analysis Assembly Language Filter Circuit Design RTL Processor Design

EXPERIENCE

Teachers Assistant – Digital Logic Design

Aug 2020 - Present

Brigham Young University

Provo, UT

Software and Hardware R&D Intern

Sep 2018 - Apr 2019

VisualCue Technologies LLC

Lindon, UT

- Implemented proof-of-concepts with Arduino
- Expedited implementation processes by 1 hour with custom utilities

Representative

Sep 2016 - Aug 2018

Church of Jesus Christ of Latter-day Saints

Lima, Peru

- Developed web-scraping application to increase process efficiency by 2 hours weekly
- Designed UI for data collection application
- Trained team of 16 representatives

Automated Quality Assurance Intern

Jun 2014 - Aug 2016

EasyPower LLC

Tualatin, OR

- Developed domain-specific language to implement new diagram components
- Increased reliability and coverage efficiency of test suite by 15%

PROJECTS

Stack VM

Feb 2020

- Designed port-mapped stack-based virtual machine and assembler and extensible peripheral support

GX

Apr 2020

- Implemented plumbing utility à la Plan9 in C with X-macro based static configuration