

DALLIN J. DAHL

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<https://dallinjdahl.github.io>

OBJECTIVE Part-time computer programming position beginning in May.

EDUCATION Bachelor of Science, Computer Engineering to be awarded April 2022
Brigham Young University, Provo, Utah

RELATED COURSES Single Variable Calculus, Linear Algebra, Data Structures, Discrete Math,
Computational Theory, Computer Systems, Designing Digital Systems, Object
Oriented Programming and Design

TECHNICAL Language Mastery, self-taught: C - since 2010, Go - since 2015, Clojure - since
SKILLS 2013,
Bash - since 2010, C++ - since 2009

Language Proficiency: C#, Forth, Java

Technology Proficiency: Linux (used since childhood, sysadmin since high
school), vim, git, Makefiles, Visual Studio, acme editor, sam editor, Higher-
order Functions (C, Go, Clojure), Functional programming (Clojure),
Procedural programming (C, Go, Bash), Object-Oriented Programming (C++,
C#, Java), Metaprogramming (Clojure), Dataflow Programming (Verilog),
Arduino, MariaDB

WORK Web Developer, CSR, BYU School of Technology 2019 – Present
EXPERIENCE Provo, Utah

- Implement job management web app for a machining lab using Go and MariaDB
- Interface with REST APIs
- Work with Apereo CAS for authentication

Software and Hardware R&D Intern, VisualCue 2018 – 2019
Provo, Utah

- Worked also as an independent contractor
- Implemented proof-of-concepts using Arduino
- Expedited implementation processes with custom utilities

WORK EXPERIENCE	<u>Representative, Peru Lima East Mission</u>	<u>2016 – 2018</u>
	<u>Immigration Specialist</u>	<u>Nov 2017 – Aug 2018</u>
	Lima, Peru	
	<ul style="list-style-type: none"> • Served as volunteer for The Church of Jesus Christ of Latter-day Saints in Peru • Oversaw immigration for 120 other representatives • Supervised, provided ongoing training for team of 16 • Developed web-scraping application to increase process efficiency • Designed UI for data collection application 	
	<u>Automated Quality Assurance Intern, Easy Power LLC</u>	<u>2014 – 2016</u>
	Tualatin, Oregon	
	<ul style="list-style-type: none"> • Managed suite of automated tests against main product • Increased reliability and decreased size of testing suite • Developed domain-specific language to implement new diagram components 	
RELATED INTERESTS	Operating Systems, Embedded Systems, Transistor Level Chip Design, Plan9, Language Design, System Design, Simplicity, Donald Knuth's The Art of Computer Programming, C.A.R. Hoare's CSP, Security (Public-Private Keys, Encryption, Steganography), Distributed Programming, Machine Learning/AI, Assembly	
LEADERSHIP SKILLS	<u>Zone Leader over 16 missionaries, Peru Lima East Mission</u>	<u>Jun 2017-Sep 2017</u>
	<u>Eagle Scout, Boy Scouts of America</u>	<u>Apr 2016</u>
FOREIGN LANGUAGE SKILLS	Fluent in Spanish	