

Dallas Kelle

dallas.kelle@gmail.com
(512) 709-8775
github.com/dkelle

Education

University of Texas at Austin

Expected Graduation: Spring 2017

- Pursuing Bachelors of Science in Computer Science
- 3.56 overall GPA

Technical Skills

- Proficient in Python, C, C++, Java, and C#
- AWS

Work Experience

Intel Corporation, *Logic and Validation Engineer Intern*

Summer 2017

- Will be working with Fort Collins Design Center to validate CPU logic boards

Vectra Networks, *Network Security Engineer Intern*

Summer 2016

- Developed service to parse packets into metadata based on specifications of capture rules for use in threat detection models
- Streamlined week long process to several minutes

National Instruments, *Software Engineer Intern*

Summer 2015

- Worked alongside Platform Frameworks team to improve localization capabilities of LabVIEW
- Generated multiple MEF caches in different languages to be dynamically loaded by LabVIEW

Applied Research Laboratories, *Software Engineer Intern*

Summer 2014

- Created a tool to identify errors and areas of possible improvement in ionosphere climate prediction model
- Wrote comprehensive report summarizing findings
- Presented work to a panel of judges; received honorable mention

Projects

Cmoji

Summer 2016

- Created custom emoji-only programming language
- Wrote preprocessor, parser, lexer, compiler, code generator, and assembler which work together to translate Cmoji into a custom instruction set
- Added additional instructions to previously designed processor to allow the execution of Cmoji programs

Out Of Order Processor

Fall 2015

- Processor written in Verilog using Tomasulo algorithm and re-order buffer
- Can fetch, and execute multiple instructions in a single cycle

Hand Washing Simulator

Fall 2014

- Minimalist virtual reality simulation created for hackathon
- Uses Leap Motion controllers and Unity Pro for simulating interactions

PolyDrop

Spring 2014

- Cross-platform game using Leap Motion Controller for physical engagement
- Won first place hackathon prize
- Over 65,000 downloads worldwide from the Leap Motion Airspace Store

Coursework

- Computer Organization and Architecture (Honors)
- Data Structures and Algorithms (Honors)
- Advanced Computer Architecture
- Programming Languages
- Compilers
- Operating Systems