

KEVIN D. PUETZ

EDUCATION

DEGREE	Bachelor of Science in Computer Engineering	
UNIVERSITY	University of Illinois at Chicago	Chicago, Illinois
PERIOD	August 2014 — December 2017	
AWARDS	Dean's List Fall 2014	
	ABET accredited program	

EXPERIENCE

PERIOD	July 2017 — September 2017	
EMPLOYER	MacLean-Fogg Company	Mundelein, Illinois
SUPERVISOR	Richard Mellor	
JOB TITLE	Controls Engineering Intern	

- Created documentation explorer for maintenance department with GUI interface using Ignition by Inductive Automation
- Upgraded original Nedschroef forming machine sensor gauges to display on a Proface HMI
- Updated schematics with design changes using AutoCAD

PROJECTS

TITLE	Q.W.I.C. Passive Inventory Weight Scale	
ORGANIZATION	Lakeview Pantry	Chicago, Illinois

- Worked in team of four to provide a prototype for a scaleable food inventory weighing system
- Designed and constructed food service compatible platform using aluminum extrusion and ABS plastic
- Programmed Arduino Uno to display weight on an LCD screen and record results to an SD card

Continued on next page...

SKILLS

Programming Languages

Scripting Languages

Hardware Description Languages Software

Operating Systems

Microcontrollers

C, C++, MIPS assembly

Python

Verilog & VHDL

Quartus Prime, ModelSim, Cadence Virtuoso,
MathWorks MATLAB, Git, Microsoft Office, Inductive
Automation Ignition, GP-Pro EX HMI

Microsoft Windows, Linux, macOS

Arduino Uno & HCS12

SKOKIE · ILLINOIS · 60077 USA

✉ KEVINPUETZ@YANDEX.COM

PROJECTS (CONTINUED)

TITLE	Microcontroller Labs
CLASS	Microcontroller Based Design

- Programmed HCS12 microcontroller using Embedded C with CodeWarrior development suite
- Used SPI and shift register to transmit data for output on a LCD screen
- Allow for user input to be entered using a matrix keypad
- Matched voltage level from photodiodes and thermistor to accurate and meaningful values

TITLE	Simple CPU
CLASS	CAD-Based Digital Design

- Design and implement simple CPU in VHDL using Quartus Prime
- CPU was able to add, subtract, multiply, divide, and output a fibonacci series
- Tested and verified design using a testbench with ModelSim