

# Wenting Zhang

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## Education

**The Pennsylvania State University**, University Park, Pennsylvania

**May 2016 - Present**

*Double major in Computer Science and Electrical Engineering*

- Overall GPA 3.75/4.0, Major GPA 4.0/4.0 (unofficial)
- Dean's List, MC-REU scholarship

## Skills

<b>Programming</b>	C, C++17, Assembly (x86, ARM, z80), C#, Java, Python, Delphi, JavaScript
<b>Embedded System</b>	LPC, STM32 Cortex-M, FreeRTOS, NXP i.MX 6 ARM Cortex-A, Linux, AVR
<b>Digital Design</b>	Verilog, System Verilog, Xilinx ISE, Xilinx Vivado, Intel Quartus, Anlogic TD
<b>Hardware Design</b>	Schematics & High-speed DDR Multi-layer PCB Design (Cadence OrCAD)
<b>Language</b>	Chinese (Mandarin, Shanghainese), English

## Independent Projects

**SitinaNe / Digital back for film SLR cameras**

**Apr 2018 – Present**

*Self-designed digital camera system based on i.MX6 MPU & Spartan 6 FPGA*

**VerilogBoy / Handheld 8-bit Gaming Console**

**Feb 2018 – Apr 2018**

*A full Nintendo GameBoy compatible system in a Virtex 5 FPGA*

**NekoCal / Connected calendar using E-ink display**

**Mar 2016 – May 2016**

*Ultra-low-power yet connected IoT desktop calendar powered by STM32 Cortex-M MCU*

## Work Experience

**Rongxin Ansheng Machinery Co., Ltd.** Ningbo, China

**August 2017, May 2018**

*Embedded System Engineer Intern*

- Assisted designing embedded systems with i.MX ARM processors
- Ported Linux CSI platform driver to target custom board
- Debugged a newly designed development platform
- Wrote documents for the Application API

**People's Posts & Telecommunications Press**, Beijing, China

**December 2014 – August 2018**

*Columnist*

- Wrote a series of STM32 MCU software design tutorial
- Wrote DIY guide for several open source hardware projects
- Reviewed several open source single board computers

## Leadership Experience

**Maker Space of Ningbo High School**, Ningbo, China

**September 2014 – May 2015**

*President*

- Instructed elementary C programming course
- Gave a speech about the computer architecture in school event