

# TERRENCE KUO

[www.github.com/terrencekuo](https://www.github.com/terrencekuo) | [www.terrencekuo.com](http://www.terrencekuo.com)

[Phone Number] | [E-Mail Address]

## EDUCATION

Princeton, NJ

Princeton University

Sept 2013-June 2017

Major: Electrical Engineering, B.S.E (In-major GPA: 3.44)

Certificate (Minor): Computer Science

Programming Coursework: Algorithms & Data Structures, Operating Systems, Networks, Computer Vision

EE Coursework: Embedded Systems, IoT, Computer Arch., Circuits, Logic Design, VLSI Design, Signal Processing

## EMPLOYMENT

Firmware Engineer, Intern

Stryd (startup)

June-Aug 2016

Foot pod ([www.stryd.com](http://www.stryd.com)): Wearable Power Meter For Running

- Improved device's battery lifespan by 8% by integrating a fuel gauge sensor and establishing a battery saving state.
- Utilized the I2C protocol to implement a device driver for the fuel gauge and used it to create a low power state.
- Increased available flash memory by 66% through redesigning the flash data storage system with a circular buffer implementation that supported variable-sized records.
- Leveraged knowledge in Git, ARM Cortex-M4 architecture, programmed in C using Keil IDE, and debugged using an Oscilloscope, Multimeter, Memory Analyzer, and JTAG/SWD debugging interface.

Software Developer, Intern

Autodesk

June-Aug 2015

TinkerCad ([www.tinkercad.com](http://www.tinkercad.com)): Online 3D design and printing tool

- Integrated multi-touch gestures for 3D workspaces by creating a deterministic finite state machine for HTML events.
- Implemented a low-pass and smoothing function to allow for a user-friendly touch experience.
- Established remote testing and coding development environment using Docker and bash scripts.
- Leveraged knowledge in Full Stack Web development, JavaScript, Git, and debugged using Chrome Developer Tools.

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## SOFTWARE PROJECTS

Personal Website: [www.terrencekuo.com](http://www.terrencekuo.com) (for additional information and projects)

### iOS Meme App

- Developed an iOS application using Swift and Objective-C that allows users to easily create and share memes.