

# 程斯达

(612) 475-0059 | 13641038028 | sidac@andrew.cmu.edu | sidacheng.com



## 教育经历

卡内基梅隆大学 (Carnegie Mellon University)

电气与计算机工程理学学士

工程设计、创新与创业理学学士

GPA: 3.82/4.0

预计 2027 年 5 月毕业

匹兹堡, 宾夕法尼亚州

院长荣誉名单: 2024 年春、2024 年秋、2025 年秋

## 工作经历

### 创始人

2025 年 1 月 - 至今

OS Keyboard

匹兹堡, 宾夕法尼亚州

- 设计人体工学键盘 PCB (EasyEDA、KiCad) 及 3D 建模外壳 (SolidWorks), 集成模拟摇杆输入实现游戏、按键和鼠标控制
- 基于 STM32、RP2040、nRF52840 架构 QMK/ZMK 固件 (C 语言); 实现键位层、宏、模拟摇杆处理和 LED 控制
- 构建 Web 端键盘配置器 (React、TypeScript、Vite), 通过 WebHID API 实现实时按键映射和摇杆调校, 无需重刷固件
- 售出 40 余台; 实测游戏玩家 5.2% 胜率提升和 +0.21 K/D 改善; 入围 2026 年 McGinnis 创业大赛决赛; 获 Build18 2025 Innov18 奖

### 创始工程师

2025 年 6 月 - 2025 年 8 月

奇焱 (Kirend) - 松山湖机器人基地夏令营

东莞

- 担任创业团队技术负责人, 设计并制造集成传感器、LED 和扬声器的智能骰子塔物理及电气原型
- 开发基于摄像头的骰子识别系统及设备至手机 App 的无线通信功能
- 获松山湖机器人基地硬件创业夏令营一等奖, 获得 50 万元 (约 7 万美元) 后续投资

### 助教

2024 年 8 月 - 2025 年 5 月

卡内基梅隆大学

匹兹堡, 宾夕法尼亚州

- 为 200 余名学生教授电路基础及实验课程 (ECE 入门); 编写焊接操作指南
- 指导 60 余名学生进行原型制作与项目规划 (工程设计入门)

### 经营者

2020 年 12 月 - 2021 年 3 月

Stanley50z 键盘工作室

北京

- 4 个月内销售 200 余件产品, 营收超 3,000 美元, 好评率 100%; 获东北地区第三大键盘零售商每月 1,000 美元以上供货合同
- 管理 50 余人团购项目: 对接 10 余家工厂, 订购 500 余个零件, 完成全部发货
- 运营 Bilibili 频道 (3,000 粉丝、250,000+ 播放量) 和 4,000 人 QQ 社群以推动销售

## 项目经历

自动发牌机器人 - CMU Build18 硬件黑客松

2024 年 1 月

- 带领 3 人团队在 7 天内完成自动发牌机器人的设计、原型制作与搭建
- 集成 Arduino 与步进电机实现卡牌输送; 设计卡牌分离机构

## 专业技能

硬件与设计: EasyEDA、KiCad、SolidWorks、QMK、ZMK、Arduino

编程语言: C、Python、Java、TypeScript、JavaScript

Web 开发: React、Vite、WebHID API

语言: 英语 (精通)、中文 (母语)

# Sida Cheng

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## Education

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### Carnegie Mellon University

B.S. in Electrical and Computer Engineering

B.S. in Engineering Design, Innovation and Entrepreneurship

GPA: 3.82/4.0

Expected May 2027

Pittsburgh, PA

Dean's List: Spring 2024, Fall 2024, Fall 2025

## Experience

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### Founder

Jan 2025 – Present

OS Keyboard

Pittsburgh, PA

- Designed ergonomic keyboard PCBs (EasyEDA, KiCad) and 3D-printed enclosures (SolidWorks) with analog joystick inputs for gaming, keystroke, and mouse control
- Architected QMK and ZMK firmware in C on STM32, RP2040, and nRF52840; implemented keymap layers, macros, analog joystick processing, and LED control
- Built web-based keyboard configurator (React, TypeScript, Vite) with WebHID API for real-time key remapping and joystick tuning without firmware reflashing
- Sold 40+ units; measured 5.2% gaming win rate boost and +0.21 K/D improvement; advanced to 2026 McGinnis Venture Competition final round; won Innov18 Award at Build18 2025

### Founding Engineer

June 2025 – Aug 2025

Kirend – XbotPark Summer Camp

Dongguan, China

- Led technical development for a startup team, designing and building the physical and electrical prototype for a smart dice tower with integrated sensors, LEDs, and speakers
- Developed camera-based dice detection system and wireless device-to-mobile-app communication
- Won 1st Prize at XbotPark hardware startup camp, securing ¥500,000 (~\$70K) follow-on investment

### Teaching Assistant

Aug 2024 – May 2025

Carnegie Mellon University

Pittsburgh, PA

- Taught circuit fundamentals and labs to 200+ students in Intro to ECE; created soldering guidelines
- Mentored 60+ students on prototyping and project scoping in Intro to Engineering Design

### Owner

Dec 2020 – Mar 2021

Stanley50z Keyboard Studio

Beijing, China

- Sold 200+ items generating \$3,000+ revenue in 4 months with 100% positive reviews; secured \$1,000+ monthly contract from 3rd largest keyboard retailer in Dongbei region
- Managed group buy for 50+ customers: sourced from 10+ factories, ordered 500+ parts, fulfilled all shipments
- Built Bilibili channel (3K followers, 250K+ views) and 4,000-member QQ community to drive sales

## Projects

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### Robot Card Dealer – CMU Build18 Hackathon

Jan 2024

- Led 3-person team to design, prototype, and build an automatic card dealer in 7 days
- Integrated Arduino with stepper motor for card feeding; designed card-separation mechanism

## Skills

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**Hardware and Design:** EasyEDA, KiCad, SolidWorks, QMK, ZMK, Arduino

**Programming:** C, Python, Java, TypeScript, JavaScript

**Web:** React, Vite, WebHID API

**Languages:** English (Proficient), Mandarin Chinese (Native)