

程斯达

+1 (612) 475-0059 | +86 13641038028 | sidac@andrew.cmu.edu | <https://sidacheng.com/zh>



教育背景

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 春、2024 秋、2025 秋

工作经历

创始人

OS Keyboard 分体键盘 (os-keyboard.com) 2025 年 1 月 – 至今
匹兹堡, 宾夕法尼亚州

- 创立人体工学游戏键盘初创公司, 以每台 ¥400/\$100 售出 40 余台, 为竞技游戏玩家实现 5.2% 胜率提升和 +0.21 K/D 改善
- 运营Bilibili 频道至 3,000 粉丝、250,000+ 播放量; 建立 4,000 人 QQ 社群以推动销售并收集用户反馈
- 获 2026 年 McGinnis 创业大赛本科组第二名; 获 2025 年 CMU Build18 Innov18 创新奖

硬件创始工程师

MyoVerse – CMU AI Venture Studio 2026 年 1 月 – 2026 年 4 月
匹兹堡, 宾夕法尼亚州

- 设计柔性 PCB 电极硬件, 支持无凝胶表面肌电平台在贴片、绑带、袖套和服装形态下进行实时肌肉激活分析
- 推动项目进入 Forge to Field Pitch Competition 决赛; 与 UPMC 开展合作研究, 并获得 NIH、AHN、UC Irvine、UHN 和 Ochsner Health 等意向书

网店运营

Stanley50z 键盘工作室 2020 年 12 月 – 2021 年 3 月
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

项目经历

SPARK – 本地 AI 写作助手外设 2026 年春

- 构建 USB-HID 外设固件、本地 LLM 推理流程和 PC 端守护进程, 通过按键模拟实现错别字纠正、语气调整、扩写和自动补全
- 设计跨平台系统架构, 使 AI 文本操作在 Windows、macOS 和 Linux 上本地运行并保护隐私

GRO-BOT – 智能藻类光生物反应器 2026 年春

- 设计 ESP32 传感与控制系统, 通过 BLE 测量桌面光生物反应器的 CO2、O2、气流、温度和湿度
- 在 14 天自主运行中实现约 18% 平均 CO2 去除率和 0.34 g/L/day 生物质产率

专业技能

编程语言: C、Python、Java、TypeScript、JavaScript
硬件与设计: EasyEDA、KiCad、SolidWorks、STM32、RP2040、nRF52840、ESP32
AI 工具: Claude Code、Codex、OpenClaw、MCP Connectors

Sida Cheng

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Education

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

Founder

Jan 2025 – Present

OS Keyboard

Pittsburgh, PA

- Founded ergonomic keyboard startup and sold 40+ units at \$100 each, delivering a 5.2% win rate boost and +0.21 K/D improvement for competitive gamers
- Grew Bilibili channel to 3K followers and 250K+ views; built a 4,000-member QQ community to drive sales and collect user feedback
- Won 2nd Place (Undergraduate Track) at 2026 McGinnis Venture Competition; won Innov18 Award at CMU Build18 2025

Founding Engineer, Hardware

Jan 2026 – Apr 2026

MyoVerse – CMU AI Venture Studio

Pittsburgh, PA

- Designed flexible-PCB electrode hardware for a gel-free surface EMG platform supporting real-time muscle-activation analysis across patches, straps, sleeves, and apparel
- Advanced venture to Forge to Field Pitch Competition finalist with partnered research at UPMC and LOIs from NIH, AHN, UC Irvine, UHN, and Ochsner Health

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

Projects

SPARK – Local-AI Writing Companion Peripheral

Spring 2026

- Built USB-HID peripheral firmware, local LLM inference pipeline, and PC daemon for typo correction, tone adjustment, expansion, and autocomplete via keystroke emulation
- Designed cross-platform system architecture for privacy-preserving AI text actions running locally across Windows, macOS, and Linux

GRO-BOT – Smart Algae Bioreactor

Spring 2026

- Designed ESP32 sensing and control stack for desktop photobioreactor measuring CO₂, O₂, airflow, temperature, and humidity over BLE
- Achieved ~18% mean CO₂ removal and 0.34 g/L/day biomass productivity in a 14-day autonomous run

Skills

Programming: C, Python, Java, TypeScript, JavaScript

Hardware and Design: EasyEDA, KiCad, SolidWorks, STM32, RP2040, nRF52840, ESP32

AI Tools: Claude Code, Codex, OpenClaw, MCP Connectors