

AI-NATIVE BUILDER · BEIJING · ENGLISH & 中文

Alexander Smith

I build with AI agents. Prototypes take a day or two, public launches take weeks. I set the direction, agents write the code, and nothing ships until I've checked it.

LIVE NOW	THU Planner and Tsinghua World Model , two public products for Tsinghua students
THIS YEAR	857 GitHub contributions and 37.4 billion tokens of agent work, every number sourced below
FOUNDATION	Biochemistry, with a research internship at Shenzhen Bay Laboratory and an offer from UCL

- aloe@faasglobal.com
- github.com/SandyCodfish



学堂路 at the class-change rush. Rendered in Blender Cycles from my own campus model.

4,433 Fall 2026 courses searchable in THU Planner LIVE CATALOG [4]	1,396 timetabled courses placed in their real rooms on the 3D campus LIVE SITE [4]	37.4B tokens of AI agent work, 29 Apr to 24 Oct LOCAL USAGE LOGS [3]	857 GitHub contributions in the past year, 782 in private repos GITHUB API [1]	257/257 phone tests passing in Chromium and WebKit for the current release RELEASE NOTES [4]
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HOW I WORK

Agents build. Tests decide.

A small team of agents

I run Claude Code and Codex **like a team**. One agent writes, a different agent reviews, and a release ships only when its checks pass.

Work that runs overnight

I write the brief, the agents work through the night, and **I make the calls in the morning**. The campus renders in this CV were made this way, with every frame checked before it counted.

Specific claims only

Every number in this CV has a source at the end. When something is a prototype, **I say so**.

DILIGENCE NOTES

Questions I'd ask about me

Did you write the code, or did AI?

Agents write most of it. I decide what to build, set the constraints, review what comes back and decide what ships. That is the job now, and the live products are the test.

Aren't tokens and commits just activity?

They measure **effort**. Quality shows in the products, so open them and judge.

Does the trading research make money?

I don't know, and I don't claim it does. It is built so that a good result could be trusted: no look-ahead, sealed replays, full audit trails.

China or international?

Both. I'm fluent in English and Chinese, went to school in Shenzhen and work in Beijing.

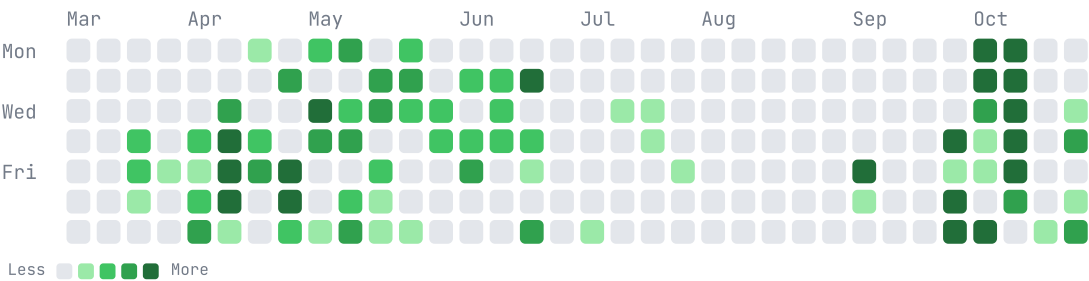
Every square is one day of work

The three rows track the same work three ways: what **GitHub** counted, what I **committed on my Mac**, and how many **tokens** my AI agents used. *The busy weeks line up because they are the same weeks.*

GitHub contributions

857

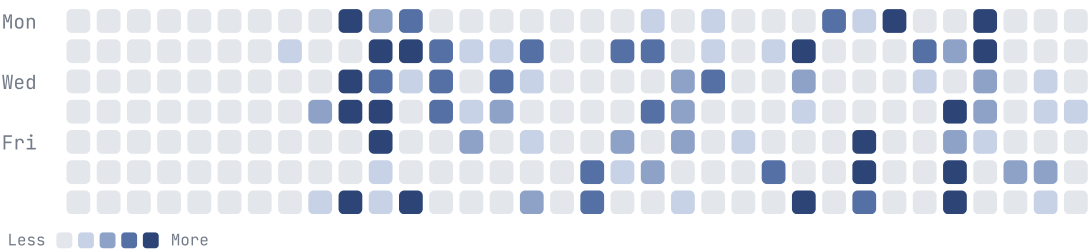
78 active days · busiest 7
Oct with 114 contributions



Commits on my Mac

893

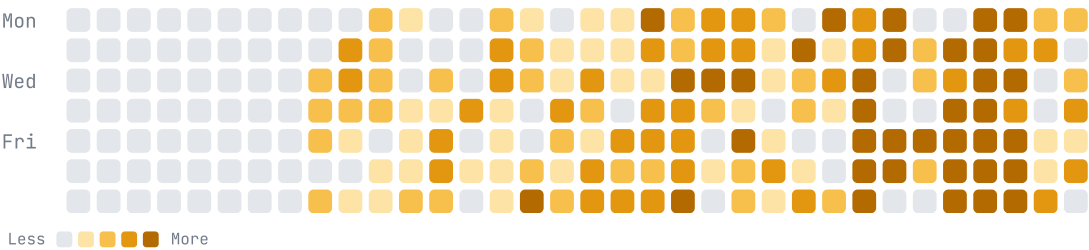
78 active days · busiest 24
Sep with 85 commits



AI agent tokens

37.4B

145 active days · busiest 29
Sep with 3.51B tokens



October's GitHub spike is **the render pipeline**. A Mac and a Windows PC rendered film frames in parallel, an agent checked each batch of 20 frames, and every checked batch became a commit. Local commits cover **105 repositories** on this Mac, including work that never went to GitHub. Tokens include **cache reads**, which are most of the volume.

MONTHLY TOTALS AS A TABLE

MONTH	GITHUB	LOCAL COMMITS	AI TOKENS
Mar 2026	7	0	0
Apr 2026	187	5	70M
May 2026	65	304	603M
Jun 2026	38	39	976M
Jul 2026	5	83	3.14B
Aug 2026	0	94	3.3B
Sep 2026	171	349	18.9B
Oct 2026	384	19	10.4B

Two live products for Tsinghua students

I built both with AI agents doing the coding, from the data pipeline to the launch trailer. Both links work, so try them.

Stack key Language Interface Backend & data AI Tools & testing

THU Planner

清华课表 · Tsinghua Timetable

thuplanner.com LIVE · FALL 2026 TERM

A **bilingual course planner**. Search 4,433 Fall 2026 courses, build a week without clashes, and put every class into your phone's calendar *with the room included*.

- ◆ **Catalog pipeline** that also covers Peking University and Guanghua MBA terms, each on its own period grid.
- ◆ **Planning insights**: clash detection, free blocks, subject mix and course suggestions.
- ◆ **Calendar export** (.ics) with the classroom in every event.
- ◆ **Protected data**: the catalog API runs on Cloudflare Workers behind a proof-of-work challenge and per-IP rate limits, so it can't be scraped wholesale.
- ◆ I also made **the launch trailers**, including the timetable printer shown here.

React TypeScript Vite Tailwind Cloudflare Workers Vitest Playwright



Top: print trailer, rendered. Bottom: launch trailer, from picking courses to fixing a clash to the week on a phone.

Tsinghua World Model

清华园课程与教室地图

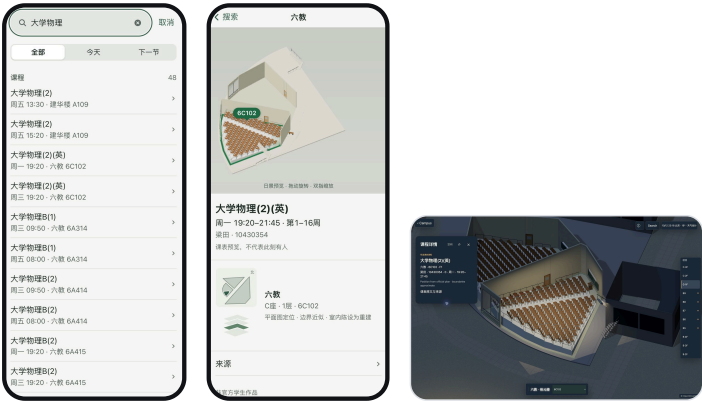
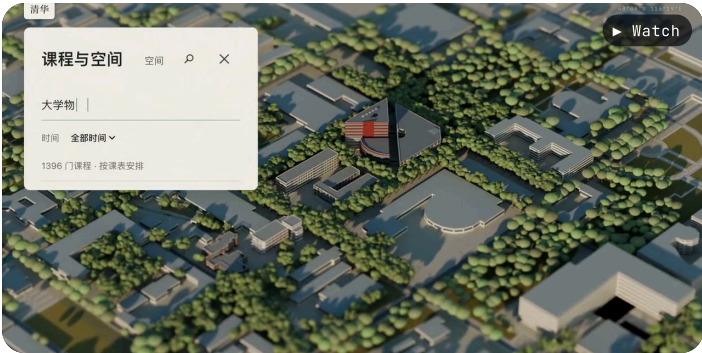
tsinghua-world-model.pages.dev

PUBLIC BETA SINCE 10 OCT 2026

An **isometric 3D model** of the Tsinghua campus that answers one question: *where does my class meet?* It goes from campus to building, floor, classroom and course.

- ◆ **1,396 timetabled courses** placed in their real rooms, positioned from official floor plans.
- ◆ **Two experiences**. Desktop shows the whole campus in three.js. On a phone, one search opens the classroom in 3D with its whole floor around it.
- ◆ **Release discipline**. One command rebuilds all 12,222 release files byte for byte. The phone suite passes 257/257 in two browser engines, alongside 28 fault cases and a strict content security policy.
- ◆ **Separate review**. The agent that writes a change never reviews it.
- ◆ The map shows **live Beijing weather** through a small weather relay.

TypeScript three.js Python Blender Cloudflare Pages Playwright



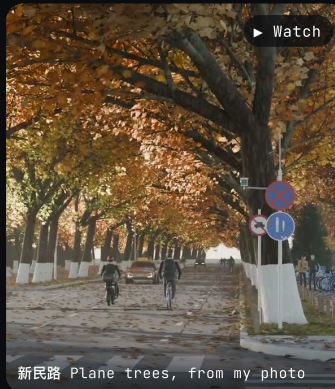
Phone: search 大学物理, tap a result, and the lecture hall opens in 3D. Captured from the live site on 25 Oct.

The campus, filmed from my own model

The classroom series ran on **a Mac and a Windows PC** splitting the frames. For the autumn rides, I wrote the brief at *2:45 a.m.* and reviewed finished scenes in the morning. Agents wrote the scene scripts and checked every frame.



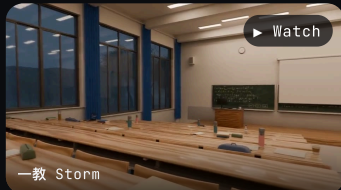
► Watch



► Watch



► Watch



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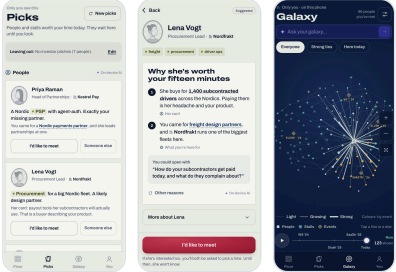


► Watch

Stills from the films: click any still to watch it play on the live site. The full films and teasers are 10 to 42 seconds long at 1080p; ask and I'll send them.

Relationship tools, research agents, native apps

Prototypes and tools beyond the campus. *Each one taught me something I now use everywhere.*



Aloes & Sigil

Relationship memory for events: *who is worth your fifteen minutes and why*, private picks, introductions only when both people say yes, and a map of your ties that grows across events. **Aloes** is the native build: a SwiftUI iPhone app with a TypeScript and PostgreSQL API, consent rules enforced on the server. I rebuilt the Sigil demo as v2 **in one evening** from feedback.

SwiftUI

TypeScript

PostgreSQL

OpenAPI



Equity research agents

Stock Analyzer 6.0 runs **14 agents** on the Claude Agent SDK for China A-shares: analysts, a bull and bear debate, a risk review and a portfolio manager. It is built so that a result could be trusted. No future price reaches any prompt, historical replays are sealed, and every agent's prompt is hashed and logged. *It is a research copilot.* It places no orders, and **I claim no returns**.

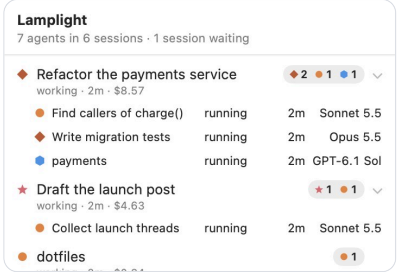
Python

Claude Agent SDK

AKShare

FastAPI

six versions since April



Lamplight

A macOS menu-bar app that shows every Claude Code and Codex agent working on my Mac: what it is doing, its model, its tokens and what they would cost at API prices. It reads local files and **sends nothing anywhere**.

Swift

SwiftUI

menu bar + CLI

CUStats

A **native Mac dashboard** for my AI usage: per-model history, 7- and 30-day charts, quota views, and a one-time sign-in prompt when a session expires.

Swift

Café Soul

A **playable café** where cats queue, order and find a table, plus a two-person social layer with QR onboarding, a taste passport and matchmaking.

Next.js

Framer Motion

Songshelf

My Spotify library **as a map**, built from CLAP audio embeddings and playlist-guided clustering, plus a second map of liked songs placed by sound and metadata.

Python

CLAP

UMAP

Hackathons & open source

AttraX Spring Hackathon 2026: Project Hail Mary, location-based serendipity matching, with Orbit and MBTAI demos built the same weekend. **GSF**: an Aloes memory demo. **Merged** a public Swift CI and error-handling PR to claude-mission-control.

TypeScript

Python

Swift

Before the agents

SCHOOL	Merchiston International School, Shenzhen · A levels Predicted grades: Biology A, Chemistry A, Mathematics A. Student Council President. Head of Boarding and member of the food committee.
UNIVERSITY OFFERS	UCL, Biochemistry (AAA condition) · UC San Diego, English Literature
EARLIER	BASIS Shenzhen · Grades 5 to 8
RESEARCH	Shenzhen Bay Laboratory · High school research intern, two months from July 2023 Dr. Haoyue Zhang's group. Ran molecular cloning and gel electrophoresis <u>on my own</u> after training; learned PCR and flow cytometry. Wrote an Extended Project Qualification paper on WAPL and Sororin, two regulators of cohesin.
AWARDS	WSDA 2022 Autumn Online Tournament: Champion, Public Forum Debate, high school division World Scholar's Cup Shenzhen 2021: 1st Champion Scholar and Champion Team. 2022: 2nd Champion Scholar and 1st in Writing. Global Round qualifier both years. China HOSA 2023: national top three in CPR and First Aid.
TEACHING & COMMUNITY	Taught the World Scholar's Cup curriculum to younger students. Editing and PR for Tsinghua's European Student Association. Campus films and a small YouTube channel.
LANGUAGES	English and Chinese, both fluent
REFERENCE	Dr. Haoyue Zhang, Shenzhen Bay Laboratory, research mentor. Written recommendation available.

SOURCES & METHOD

1. GitHub GraphQL API, contribution calendar for SandyCodfish, 26 Oct 2025 to 25 Oct 2026, pulled 25 Oct: 857 contributions, of which 782 are in private repositories. No activity before March 2026.
2. Local git history: 105 repositories under Desktop and Documents on my Mac. 893 unique commits by hash, written by me or by AI agents working in my repositories, 21 Apr to 22 Oct 2026.
3. AI tokens: Claude Code and Codex on my Mac, 37.4 billion, of which 160 million are output. 29 Apr to 12 Oct comes from CodexBar usage caches, deduplicated and audited on 12 Oct. 13 to 24 Oct comes from raw local logs, using a method that matches the audit within 1% on 1 to 10 Oct. Counts include cache reads and writes. Other devices and ChatGPT chats are not counted. These figures show activity. They are not spend or a measure of quality.
4. Product figures: THU Planner course count from the live Fall 2026 catalog. Tsinghua World Model course count from the live site; build size, tests and fault cases from its release notes. Screens captured from the live sites on 25 Oct.

Built the way I build everything: I wrote the brief, agents wrote the code, and I checked every number.

Tokens spent on this CV: a rounding error on the chart above.