SIMON ILINCEV

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EDUCATION

Cornell University   Ithaca, New York
Bachelor of Science in Computer Science *GPA: 4.12/4.00*   Aug 2023 – Dec 2026

Relevant Coursework: *Object-Oriented Programming and Data Structures, Functional Programming, Linear Algebra, Discrete Structures, Engineering Applications of Operations Research*

EXPERIENCE

Cornell Digital Tech & Innovation Student Project Team   Ithaca, New York
Software Engineer   Oct 2023 – Present

- Updated TypeScript requirements graph to support a new major for CoursePlan, a schedule-planning web app with ~6k active student users.
- Decreasing initial page data load by 80% by building a Google Cloud Function to dynamically filter extraneous JSON course information sent to Vue.js frontend.

Rockwell Automation   Prague, Czechia
Embedded Software Engineer Intern   Jan 2023 – Jun 2023

- Developed a multithreaded hardware reservation system for use by ~100 company engineers.
- Inaugural Prague branch intern — pioneered future simultaneous four-intern program.
- Built internal Python package, created Django API, and extended existing GUI app to interact with bespoke MySQL database.

Mandarin Companion   Remote
Content Writer   Oct 2021 – Apr 2022

- Worked closely with a Chinese book publisher to write >10k words worth of informative learner articles.
- Alpha-tested website for founders, researched topics for company blog, and proposed podcast episodes.

SKILLS

Languages & Frameworks:	TypeScript, Go, Python, Java, Svelte, Vue, Flask, LaTeX
Tools & Packages:	PostgreSQL, Git, Caddy, Apache ECharts, Tailwind, NLTK
Natural Languages:	English & Czech (Native), Mandarin (Fluent), Spanish (Intermediate)

PROJECTS

Lingotrack *Go, TypeScript, SvelteKit, Postgres, Ubuntu*   lingotrack.com
Full-stack social platform (~20k views/mo) that empowers language learners to track their progress and connects them with accessible foreign media.

Chess Graph *Python, Plotly, Pandas, Numpy*   ⓞ Destaq/chess-graph
Sophisticated Python package (4k+ downloads to date) that visualizes a chess player's history, highlights their best moves, and provides further useful, exportable insights.

Online Life Calendar *Python, JavaScript, Flask, Postgres*   ⓞ Destaq/life-calendar
Web app that allows you to view and plan your life visually from days to decades by seeing statistics, creating quantitative life goals, and journaling.

Heavenly Path *Python, LAC, Digital Ocean*   heavenlypath.org
Online language-learning resource (>200k hits to date) that catalogues and reviews Chinese media. Technical lead of our team of five (configure DNS, develop NLP scripts, manage custom email address).

ACHIEVEMENTS

45/45 International Baccalaurate Score   IBO
One of only 179 students of 179k+ worldwide to earn a perfect diploma score.   Jul 2023

School-wide Computer Science Award   PLIS
recognized for exceptional effort and achievement in Computer Science. Also received in June 2020.   Jun 2022

Senior Gold Award - Best in School   United Kingdom Mathematics Trust
performed the best school-wide in an international annual mathematics competition.   Nov 2021

Best Solo Hack   Develop to Disrupt
built a Twitter-esque language-learning web app for a Canadian hackathon with ~80 participants.   Sep 2021