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*

Study Abroad: *Hong Kong University of Science & Technology (Summer 2024)*

EXPERIENCE

Comprehend (Stealth Startup)   Remote
Cofounder and Chief Technology Officer   Nov 2023 – Present

- Building a React Native app that teaches Mandarin via easy stories generated by a fine-tuned LLM.
- Created Spacy NLP pipeline to accurately tokenize and difficulty-assess Chinese text for use in RLHF.
- Architected and implemented a RESTful Go API featuring JWT authentication, websocket streaming, and Azure Cognitive Services integration.

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

- Designing efficient algorithm and creating Vue.js components for new semester schedule-generating feature in an Agile team.
- Built a Google Cloud Function to dynamically filter extraneous JSON course information, reducing initial site data load by 80%

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.

SKILLS

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

SIDE PROJECTS

Lingotrack *Go, TypeScript, SvelteKit, Postgres, Digital Ocean*   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.

ACHIEVEMENTS

45/45 International Baccaleaurate 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