


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

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 Baccalaureate 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