

Burak Simsek

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Education

University of Illinois at Chicago Bachelor of Science in Computer Science	Jan 2024 – May 2026 Chicago, IL
Harper College Associate Coursework in Computer Science <i>Honors College, Dean's List, Summa Cum Laude</i>	Aug 2021 – Dec 2023 Palatine, IL

Relevant Coursework

Visual Analytics	Intro to Data Science	Economics & Computation	Database Systems
Language Processing	Software Design	Probability & Statistics	Languages & Automata

Experience

Shipping Garage Project Intern, Warehouse Solutions - Mount Prospect, IL	May 2023 – Jul 2023
Antepsofram.com - Traditional Foods, E-Commerce Website Startup Founder & Developer - Gaziantep, Turkey	Oct 2020 – Nov 2021

- Built interactive slot-mapping system enabling real-time product queries.
- Automated FBA/FBM workflows (30% workload reduction).
- Optimized Laravel-based inventory systems for data accessibility and decision-making.

- Developed secure e-commerce platform with payment integration, SEO, and analytics dashboards.
- Achieved 40% increase in traffic and stronger engagement through data-driven optimization.

Projects

EXIM Bank Authorization Analytics <i>Visual Analytics: Python, SQL, Pandas, Tableau</i>	Present
Chicago Transit Security Analytics <i>Intro to Data Science: Python, Folium, GeoPandas, scikit-learn</i>	Spring 2025
Coffee Shop Management System <i>Database Systems: PostgreSQL, Java, Maven</i>	Spring 2025

- Analyzing multiyear EXIM authorization data to explore export financing trends and risk exposure.
- Aiming to create ETL pipelines and interactive dashboards to enable pattern detection and data-driven decisions.

- Analyzed CTA ridership and crime data (2010–2024) to assess security impacts on transit usage.
- Built interactive geospatial maps and applied ML models to reveal safety-related ridership patterns.

- Built a PostgreSQL-backed desktop app with Java services for employees, inventory, and sales.
- Gained experience in database design, SQL optimization, and full-stack desktop development.

Technical Skills

Languages: Python, SQL, Java, C++, C, Dart

Developer Tools: Git, PostgreSQL, Maven, VS Code, JavaFX, HTML/CSS, Laravel

Frameworks: ETL Pipelines, Data Cleaning, Dashboarding, Folium, GeoPandas

Learning in Progress: Tableau, Power BI, Data Visualization, Statistical Modeling, Exploratory Data Analysis

Summary

Curious and impact-driven Computer Science student blending technical expertise with analytical thinking. Experienced in transforming complex datasets into clear, actionable stories through data pipelines, SQL analysis, and dynamic visual dashboards. Committed to using data as a strategic tool to solve problems, guide decisions, and create scalable solutions.