William Ileka

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Github: **https://github.com/ileka2468**
Website/Portfolio: **https://ileka2468.github.io/website/**
Fiverr: **https://www.fiverr.com/cggaming732**

Education

• **DePaul University - Junior**   Chicago, IL

Bachelor of Science Computer Science - *Software Development Concentration GPA: 3.7*   *May 2026*
Relevant Courses: Data Structures, Computer Systems, Intro to Compiler Design, Object-Oriented Software Development,

Distributed Systems, Database Systems, Web Development I, Java Workshop, Discrete Math,

Agile Software Development, Database Programming, Object-Oriented Enterprise Application Development

Master of Science Software Engineering - *AI Concentration (Combined Degree)*   *May 2028*
Relevant Courses: Applied Algorithms and Structures, Concepts of Programming Languages

• **Thornton Fractional South High School**   Lansing, Illinois

High School Diploma; GPA: 3.9   *Aug 2018 - May 2022*
Relevant Courses: AP Computer Science Principles

Skills Summary

Languages & Frameworks
Python – 4 years | **JavaScript** – 5 years | **Java** –3 years | **C** - 1 year | **SQL** – 2 years | **HTML** – 5 years | **CSS** – 5 years | **React –** 2 year |
|**Scala** - 1 year | **C#** - 1 year |

Skills

- Web Development (Front-End): HTML, CSS, JavaScript, React, Tailwind CSS

- Web Development (Back-End): Django, Express JS, Next JS, Python FastAPI, Remix JS

- Web Scraping: BeautifulSoup, Selenium, Puppeteer

- Databases/ORMS: MySQL, SQLite, MariaDB, MySQLAlchemy, Postgres, BigQuery

- Cloud: GCP Cloud, Firebase, Supabase

- Object-Oriented Programming (OOP): Java, Scala

- Version Control: Git, Maven

Experience

CME Group   Chicago, IL

Software Engineer Intern (Summer 2024)   *June 2024 - September 2024*

- **Developed** new features and **optimized** existing Java-based applications, including improving SQL queries for better data handling and system performance.
- **Developed** new features and **enhanced** the Swing UI for Java-based applications, resulting in a more intuitive and user-friendly interface.
- Gained hands-on experience with Google Cloud Platform (**GCP**), focusing on **cloud services integration** and data security measures.
- Participated in learning events led by industry-leading software engineers, covering topics such as UC4, design patterns, React, Spring, Terraform, GCP tools, Git, and Maven.
- Participated in a **fintech trading bot hackathon**, contributing to the design and development of an automated trading bot that leverages financial data for optimized trading strategies.

DePaul University   Chicago, IL

CDM Grader   *March 2024 - Current*

- Work closely with faculty members to evaluate and grade assignments and quizzes in Web Development and Computer Science classes.
- Offer comprehensive and positive feedback to learners, assisting them in grasping programming fundamentals, data structures, Java coding, JavaScript, and database programming.
- Engage in meaningful dialogue with professors to tackle unique student issues.

Fiverr   Remote, US

Freelance Web Developer – [Linked Profile](#)   *December 2020 - March 2023*

- **Chrome Extension Automation Bots**: Built Chrome extension automation bots, becoming a top-rated seller with over 750 completed orders and maintaining a 4.8-star seller rating.
- **UI Design**: Collaborated with clients to develop clean and uncomplicated user interfaces and experiences.
- **Robust Client Instruction Documentation**: Created detailed instructional videos and comprehensive documentation for end-user ease of use and future system scalability.
- **jQuery and Chrome Automation API**: Utilized jQuery for automation scripts to simulate user clicks and events, later migrating to the Chrome Automation API for enhanced functionality.
- **Customer Support**: Provided extensive customer support and remote access troubleshooting, effectively resolving client issues and ensuring satisfaction.

St. Margret's Episcopal Church   Chicago, IL

Tech Coordinator (Volunteer)   *August 2021 – February 2023*

- **Developed and maintained** website front and back end using the Express JS framework and Postgres database, ensuring all content is up to-date and relevant.
- **Performed routine updates** and maintenance as well as implementing changes and adding features at the request of church leadership.
- **Managed and operated church live streams**, providing remote access to church services for members and visitors.
- **Maintained and installed projectors and TV screens**, ensuring smooth operation during church services and events.
- **Managed service projections and media**, ensuring that all visual elements were displayed accurately and on-time during services.

Projects — All projects can be found at my [GitHub](#)

- **[Fully Deployed Church Management Website](#):** Developed an express web application for St. Margaret's Episcopal Church that serves as a responsive website and content management system. Management functionality includes automated newsletters and mailing lists, Custom written APIs and database designs for sending welcome emails, and automated creation of PowerPoints and visuals for church services organized by year and month, all accessible through the website at **https://www.stmargaretschicago.org/** . (Jan '23)

- **[Fiverr Clone Web App (TaskRabbit)](#)** – Designed and built a fully functional web app Fiverr like marketplace using the Node JS Express framework. Functionality includes, user accounts, product filters, product search, checkout system, cart system, seller view, buyer view, business side admin tools, admin dashboard, and business statistics. Designed frontend with a server-side rendering approach using EJS and CSS, backend was implemented with Express JS and MariaDB database. (Jan '23)

- **[AI React JS Note Taking App:](#)** Currently developing a React-based AI note-taking web application that enhances hastily written lecture notes. Features include lecture voice recording to fill gaps between what the student writes and what the lecturer said, AI-driven content refinement, and automated creation of flashcards, quizzes, and study materials. Designed for optimal learning, it streamlines note organization and maximizes academic retention. (Aug '23)

- **[Computer Vision Aruco Marker Drone Tracking](#):** Developed a program that allows drone cameras to track binary squares (Aruco Markers) and estimate pose for drone following, and precision hovering . (Sep '22)

- **[Machine Learning Video Game Assistance](#)** – Using the Python FastAi library and Jupyter Notebooks, I trained an AI model using Python and FastAI to recognize and complete the skill checks in the video game 'Dead by Daylight.' This enabled the player to perform better in the game by accurately clicking a button at the precise moment, a challenging mechanic in the game. (Feb '23)

- **[Speech To Text Transcription and Speech Complexity Analysis](#):** Developed a program that transcribes .wav audio files of any length and analyzes speech complexity using the Flesch Reading Ease and the Flesch Kincaid Grade Level formulas. (Aug '22)

- **[Portfolio Website](#):** Designed and built a personal portfolio website that contains my projects and socials. Working contact form using Email.js was hosted using AWS S3 buckets, currently hosted on GitHub pages. (July '22)

- **[Minesweeper](#)** – Using Python and Tkinter I built a GUI based fully functional and feature rich minesweeper game, features include smart clicks (implemented with recursion), game timer (implemented with multi-threading), flag tracker. (Jan '23)

Honors and Awards

- 20k/yr. [CME Group Foundation Scholarship](#)

- Fiverr Top Rated Seller Award - May 2021

- [P33 Strong Start (Protiviti)](#)