

# James Villaraza

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## EDUCATION

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### University of Illinois at Chicago

Chicago, IL

Bachelor of Science in Computer Science

August 2023 - May 2025

GPA: 4.00 - Summa Cum Laude

Coursework: Data Structures, Database Systems, Software Design, Framework-based Development

## PROJECTS

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### Taxi Rental Management System | Python \ PostgreSQL

May 2025

- Developed a command-line taxi rental management application using Python and PostgreSQL, featuring multi-role access (client, driver, manager), relational data modeling, data-driven rental booking, driver reviews, and analytical queries for usage statistics and client insights.

### Movie Catalog Explorer | Flutter

April 2025

- Built a cross-platform Flutter mobile app to browse movies by genre, view movie details, and open IMDb links. Used SliverAppBar, custom UI, interactive gestures, and reusable widget components to create dynamic layouts and smooth navigation across responsive vertical and horizontal lists.

### Three Card Poker | Java \ JavaFX

December 2024

- Built a JavaFX-based single-player poker game with FXML-designed UI featuring player-vs-dealer gameplay and logic, threaded client-server communication with runtime-configurable settings, responsive and interactive components, and a modular structure following MVC principles.

### Bluejay Compiler | C \ Flex \ Bison \ MIPS

November 2024

- Developed a full compiler for the [Bluejay language](#), implementing lexical analysis using Flex, syntactic parsing using Bison, semantic checking and intermediate representation in C, and final code generation targeting the MIPS assembly architecture.

### ShortFormWebTool | C#

September 2024

- Constructed an ASP .NET C# MVC application that interfaces with existing social media outlets like Reddit, Twitter, Youtube, Tiktok, etc., to search for trending content. Integrated an SQL database using the Entity Framework to store data retrieved by the web tool.

## CORE TECHNOLOGIES

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**Languages:** C \ C++ \ Java \ Python \ C#

**Frameworks:** .NET \ Flutter \ Android \ JavaFX

**Databases:** PostgreSQL \ SQLite

**Web:** HTML \ CSS \ JavaScript

## WORK EXPERIENCE

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### Barista

South Elgin, IL

Starbucks

September 2021 – October 2023

- Collaborated with a team of 8-10+ to serve 200+ customers daily, ensuring high-quality service and customer experience
- Maintained 95% order accuracy in a high-volume store and built relationships with customers to improve retention and enhance customer satisfaction