







# THOMAS ANDRE DELA PENA

## Software Engineer

### CONTACT

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### EDUCATION

BACHELOR OF SCIENCE  
Magna Cum Laude  
Computer Science / Software Dev  
Northern Illinois University, DeKalb  
Graduated December 2023

ASSOCIATE OF SCIENCE  
Joliet Junior College  
Joliet, IL, December 2020

### HARD SKILLS

- C++
- JAVA
- Python
- Android Studio
- HTML & CSS
- SQL
- UNIX

### SOFT SKILLS

- Object-Oriented Programming
- Doxygen-Style Documentation
- Critical Thinking
- Open Mindset

### OBJECTIVE

Newly graduate looking for new experience outside of the traditional curricular environment to obtain new skills while refining current ones. Motivated to learn new techniques, grow and excel within Programming and Software Development

### COURSEWORK

#### CSCI 340 - Data Structures & Algorithms

- Covers the application of analysis and design techniques to non numeric algorithms acting on data structures, and the utilization of algorithmic analysis and design criteria in the selection of methods for data manipulation.

#### CSCI 467 - Introduction to Software Engineering

- Phases of the systems development life cycle and the tools used by the analyst in planning, specifying, and implementing a complex computer-based system.
- Related topics include documentation standards, interactions with users, and design interfaces.

#### CSCI 480 - Principles of Operating Systems

- Principles and practices of modern operating system design. Includes file system organization; memory management; multitasking; windowing interfaces; interprocess communication, including communications across a network; and client-server models of processing.

### PROJECTS

#### NIU CS DEPARTMENT SUMMER PROJECT

*JUNE - AUGUST 2022*

- Tested and completed C++ sample assignments for intended use for future CSCI courses, and provided feedback regarding difficulty and convenience..
- Collaborated with others to complete C++ prototype group projects for future CSCI courses, and provided feedback on work difficulty and cooperation within group members.

### LANGUAGE

Tagalog(Filipino) - Native / Fluent

Japanese - Intermediate

