

# Sheila Demonteverde

## Contact

🏠 16422 77th Road,  
Fresh Meadows, NY  
11366

☎ 1 (929) 532-9265

✉ [demonteverdesheila8@gmail.com](mailto:demonteverdesheila8@gmail.com)

Portfolio: <https://shyed.github.io/sheila-portfolio/>

## Education

B.S. in Software Engineering (In Progress)  
Pennsylvania State University | Expected Spring  
2027

A.S. in Programming & Software Development  
LaGuardia Community College, 2018-2020 | GPA:  
3.806

**Honors:** Dean's List, ASAP Valedictorian, Phi  
Theta Kappa, NASA Community College  
Aerospace Scholar (NCAS)

## Technical Skills

- **Languages:** Java, C++, JavaScript, Kotlin, C#, SQL
- **Tools & Technologies:** Git, MySQL, Firebase, Node.js, Android Studio, Unity, VS Code
- **Concepts:** Object-Oriented Design, Software Architecture, Design Patterns, Databases, Software Testing, Full-Stack Development
- **Other Skills:** Project Management, Database Administration, Web Development

**Languages Spoken:** English, Tagalog, Bisaya, Hiligaynon, Novice Spanish

## References

Rio Guerrero • (646) 545-5000  
Attorney | Guerrero Law Firm

Angel Alcantara • (646) 246-1629  
Attorney | David Katz & Associates

 [www.linkedin.com/in/sheilademonteverde/](https://www.linkedin.com/in/sheilademonteverde/)

 <https://github.com/Shyed>

## Objective

Software Engineering student at Penn State with hands-on experience in object-oriented programming, software architecture, databases, testing, and full-stack development. Strong foundation in Java, C++, SQL, and modern development tools. Seeking a remote software engineering or QA internship to contribute to real-world systems while continuing to build scalable, well-tested applications.

## ACADEMIC & TECHNICAL PROJECTS

### Software Architecture Project (Java, UML, Design Patterns)

- Designed a multi-module system applying Factory, Builder, Proxy, Composite, and Iterator patterns
- Created UML class and sequence diagrams to model scalable and maintainable architecture

### Software Verification & Testing Project (Java, Test Design)

- Designed black-box and white-box test cases using equivalence partitioning and boundary analysis
- Analyzed test coverage, defect detection, and system behavior against requirements

### Database Systems Project (SQL, Relational Design)

- Designed normalized relational schemas (1NF–3NF) and implemented complex SQL queries
- Applied transaction management and concurrency concepts to ensure data integrity

### Digital Systems Design Project (FSMs, Logic Design)

- Designed finite state machines and combinational logic circuits
- Strengthened low-level understanding of computer organization and system behavior

### ATM System (Java, Object-Oriented Design)

- Implemented an object-oriented ATM system supporting authentication, balance checks, and transactions
- Applied encapsulation and class hierarchies to manage accounts and workflows

### Full-Stack Web Application (JavaScript, Node.js, MySQL)

- Built a CRUD-based web application with server-side logic and database integration
- Implemented form validation and secure data handling

### Android To-Do List App (Kotlin)

- Developed an Android application with persistent storage using Android Studio
- Applied mobile UI logic and lifecycle management concepts

## PROFESSIONAL EXPERIENCE

### Administrative Assistant / Paralegal

Guerrero Law Firm, PLLC | New York, NY

- Managed confidential digital records and documentation with accuracy and compliance
- Coordinated workflows, scheduling, and client communication in a professional environment