XINCI MA

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PROFESSIONAL SUMMARY

As a Software Engineering Intern at Olympus Tech in New York City, I excelled in debugging and algorithm design, showcasing strong programming skills in Java, C++, and Python. Collaborating effectively with senior developers, I enhanced application functionality and efficiency, significantly contributing to project successes through innovative solutions planning and software testing.

SKILLS

- Debugging
- Solutions planning
- C++
- Algorithm design
- Strong programming skills
- Python
- Software testing
- Java
- Git

EXPERIENCE

Software Engineering Intern   April 2019 - July 2019
Olympus Tech | New York City, NY

- Troubleshot and resolved issues reported by end-users or teammates.
- Developed unit tests for newly implemented features.
- Collaborated with senior developers on various software projects.
- Developed scripts to speed up process of completing various tasks.
- Implemented new features and bug fixes in existing applications.

EDUCATION

Bachelor of Science (B.S.) - Electrical and Computer Engineering   May 2026
Ohio State University, Columbus, OH

LANGUAGE

English
Native

Chinese (Mandarin)
Native

PROJECTS

- RSS News Reader and Aggregator
  Developed an application that reads and processes RSS feeds to generate formatted HTML pages, providing hands-on experience with XML parsing, XMLTree handling, and HTML generation. This project built a foundation in XML processing and UI-friendly output, culminating in a multi-feed aggregator that compiled several RSS sources into an organized, central index page.

- XMLTree Expression Evaluator
  Implemented recursive methods to evaluate arithmetic expressions represented as XMLTrees, with support for integer and NaturalNumber operations. This project honed my understanding of recursion, XML structure handling, and error management. It also emphasized precision in handling large numbers and various arithmetic operations, preparing me for complex data-processing applications.

- Cryptographic Utilities
  Created a set of cryptographic utilities focused on number theory and modular arithmetic, including prime testing and cryptographic functions essential for RSA encryption. Through this project, I gained proficiency in mathematical algorithms, NaturalNumber operations, and the practical application of Fermat's theorem, deepening my understanding of cryptography fundamentals.