

## Summary

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- I am a Computer Science graduate from Northern Arizona University studying Java and C/C++ software development, app development, software security, and more. As a hobbyist as well, I am well-rounded from exploring many different facets of software development.

## Experience

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### Software Development Intern at Infosys Limited

May – July 2022

- Researched and examined the viability of various Web3 technologies and developments and their relevance to Infosys with a team of other developers and mentors in the Infosys Center for Emerging Technology Solutions (ICETS).
- Developed a Web3 smart-contract insurance proof-of-concept to explore and demonstrate Web3 software development practices and implementations useful for business solutions.

## Projects

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- **Camera Centering Software for the NPOI:** In a capstone team with four other students, we built a graphical user application for the Navy Precision Optical Interferometer (NPOI). This cross-platform Java application features object-detection capabilities with OpenCV in order to calibrate alignment with an infrared LED target and outputs exact measurements and instructions for the camera operator to utilize.
- **LumberjackNotes:** A note-taking application for Android built with MVC (Model-View-Controller) architecture—this project was worked on alongside five other developers (<https://github.com/CS386-Group-4/LumberjackNotes>) to demonstrate test-driven development (TDD) as well as client-server login functionality with Amazon Web Services (AWS Amplify).
- *More projects can be found on my GitHub profile at <https://github.com/nick-botticelli>*

## Education

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### Northern Arizona University

Aug 2019 – May 2023

- Bachelor of Science in Computer Science
- **GPA:** 3.4
- **Undergraduate Coursework:** Software Engineering, Operating Systems, Algorithms, Data Structures, Software Architecture, Automata Theory, Computer Networks (Graduate), Databases, Parallel Programming, Graphics Programming, Principles of Languages, Virtual Worlds, Secure Software, Introduction to Linear Algebra, Discrete Mathematics, Calculus I & II, Physics I & II, Applied Statistics.

## Technical Skills

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- **Programming Languages:** Proficient in Java, C#, C/C++; experience with Kotlin, JavaScript, Python, Bash, Assembly (x86, ARM), MySQL, and Solidity.
- **Software Development Tools:** Git (GitHub), CI/CD, IDEs (IntelliJ IDEA, Android Studio, Visual Studio), Linux command-line, disassemblers/debuggers, Unified Modeling Language (UML).
- **Workplace:** Composing documentation, cooperating effectively in team environments, managing email in order to communicate work activity and proposals.