

EDUCATION

Minnesota State University, Mankato

Graduation Date – Dec 2023

Double Major: *Bachelor of Applied Science* in Computer Application Development and *Bachelor of Science* in Interdisciplinary Studies: *Computer Science, Electrical Engineering, and Mathematics* **CGPA- 3.25**

WORK EXPERIENCE

Software Engineering Intern | Vizient, Inc. | Jun 2023 – Aug 2023

- Collaborated with a **team of 15**, including software engineers, QA, and product managers, to design, develop, test, and deliver a product using Angular, TypeScript, Kotlin, Docker, and Microsoft Azure.
- Performed coding tasks to translate **over 3 user stories weekly** into software specifications, adhering to standard software development practices.
- Consistently achieved **over 95% test coverage** through active participation in code reviews, debugging, Test-Driven Development, and pair programming, improving code quality, performance, and development cycles.
- Automated ESLint and Prettier for TypeScript and Detekt for Kotlin through pre-commit and pre-push hooks to validate coding standards and quality requirements prior to integration into the codebase.

Database Developer Intern | Croptomize, LLC | Aug 2022 – Dec 2022

- Built a Python app for processing, analyzing, and updating **500,000 CSV data entries** from CME Group's website to Amazon RDS MySQL Database. Optimized complex queries for efficient data storage and retrieval.
- Developed solutions from scratch for calculating options and contract values using Black & Scholes Model with an **accuracy rate of under 2.75%**, enabling clients to make informed financial decisions.
- Implemented Sphinx to generate clear and maintainable documentation, describing program development logic and coding, enhancing topic navigation for developers, and documentation usability.

Software Development Intern | Orion Food Systems, LLC | Jun 2022 – Aug 2022

- Mentored a **team of 4 interns** practicing Agile Methodology in analyzing design and developing a full-stack app.
- Communicated with software engineers and business teams to design flowcharts, analyze requirements, and estimate sprint timelines for new feature development.
- **Built +20 RESTful APIs and endpoints** using C# ASP.NET MVC to facilitate data exchange between client and server.
- Conducted comprehensive code reviews, provided constructive feedback, managed pull requests, and established CI/CD on Azure DevOps, providing ongoing production support for the entire team.

Full-Stack Developer Intern | Novus Media, LLC | Jan 2022 – May 2022

- Applied Object-Oriented design to create, enhance, and maintain existing .NET applications, incorporated server-side logic- creating controllers and models for database tables. Used Swagger for API testing.
- **Debugged over 150 code issues**, optimizing layout and endpoints, resolving broken links, and fixing compilation errors, resulting in enhancement in application quality and performance.
- Actively pursued continuous learning to expand technical expertise in the Software Development Life Cycle.

LANGUAGES AND TECHNOLOGIES

Languages: Java, C#, Python, JavaScript, SQL, HTML5, CSS3

Tools: Git, Azure DevOps, Visual Studio, PowerShell, SQL Server

Frameworks: Angular 13+, .NET 5+, MVC

Methodologies: Agile, Scrum, TDD

CERTIFICATIONS

- **Udemy- [Java Software Developer](#) | [Data Structures & Algorithms- Python](#) | [ASP.NET MVC](#) | [Software Engineering](#)**

LEADERSHIP AND INVOLVEMENT

- **MavPASS Leader** | Java and Python Tutor – Mankato, MN | Aug 2022 – Present
- **Web Content Editor** | Minnesota State University, Mankato, MN | Aug 2022 – Dec 2022
- **Secretary** | Institute of Electrical and Electronics Engineers – Mankato, MN | Jan 2020 – Aug 2021