

## PROFESSIONAL EXPERIENCE

### Premier International, Chicago, IL Software Engineer III

*June 2020–Present*

- Engineered a central communication service in C++, enabling high-performance bidirectional communication between C# and COBOL, significantly improving system interoperability.
- Spearheaded modernization efforts, migrating core applications from VB6 to WPF, improving UI responsiveness and developer productivity.
- Created custom form validation infrastructure in WPF, streamlining front-end development across multiple products.

### Software Engineer II

- Reduced class dependency complexity by integrating dependency injection, increasing modularity and unit test coverage.
- Leveraged multi-threading to improve performance and responsiveness in critical consulting applications.
- Introduced domain-driven design principles to promote system clarity and maintainability.

### Software Engineer I

- Developed a robust ODBC database connection manager in C++, enhancing database accessibility for client applications.
- Ported legacy Intel Assembly code into maintainable and portable C++.
- Built and integrated a new automated CI/CD test stage using Python, improving release stability.
- Participated in Agile/Scrum workflows using Jira for sprint planning and tracking.

## PROJECT EXPERIENCE

### What's Mine Is Yours

*March 2021–Present*

- Designed and deployed a full-stack vacation rental platform using Python (Flask) and Linux VPS, emphasizing scalability and future portability.
- Built a RESTful API for the platform's backend services, enabling separation of concerns and future expansion to native mobile or desktop clients.
- Oversaw full project lifecycle: planning, architecture, deployment, and maintenance.

## EDUCATION AND HONORS

### Bachelor of Science, Computer Science (May 2020)

Northern Illinois University, DeKalb, IL

## SKILLS

**Languages:** C++, C#, Python, SQL, COBOL, JavaScript, HTML/CSS

**Systems:** Linux/Unix, Windows

**Frameworks/Libraries:** STL, Boost, C++/CLI, .NET, Flask, Win32 API, WPF, WinForms, DevExpress

**Tools:** Git, GitHub, Visual Studio, TFS, Jira, Confluence