

**Ryan M. Rickgauer**  
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## PROFESSIONAL EXPERIENCE

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

*June 2020–Present*

- Created a central communication service in C++, enabling smooth two-way interaction between managed C# apps and native COBOL systems.
- Implemented a personalized form validation service within WPF applications, speeding up development and setting a strong base for future projects.
- Designed and executed novel database schemas for a new application feature within our existing RDBMS, employing meticulous normalization techniques, expertly crafted views, and stored procedures to enhance data integrity and retrieval efficiency.

### **Software Engineer II**

- Utilized dependency injection in existing software to decrease coupling between classes and their dependencies
- Implemented multi-threading solutions for our consulting applications which improved runtime performance
- Designed and built a multi-process message queue service using IPC
- Introduced domain driven design systems to improve maintainability in the future
- Modernized our front-end application from VB6 to WPF

### **Software Engineer I**

- Designed and implemented an ODBC database connection manager in C++
- Converted multiple Intel Assembler pieces into C++
- Participated in multiple scrum sprint and epic tasks planning using Jira
- Created a new automated test stage for our CI/CD pipeline using python

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## PROJECT EXPERIENCE

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### **What's Mine Is Yours**

*March 2021–Present*

- Co-founded an online vacation rental marketplace
- Designed and developed modern full stack technology solutions for the platform
- Architected a restful back-end API using flask allowing future migrations of the web-based UI to other platforms
- Deployed and configured the application to run on a Linux VPS

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## EDUCATION AND HONORS

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

Northern Illinois University, DeKalb, IL

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## SKILLS

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

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

**Tools/Technologies:** Git, Jira, GitHub, Visual Studio, Teams Foundation Server, Confluence.