

# Harold Hanson

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## Education

**University of Minnesota** – Bachelor of Science in Computer Science, GPA: 3.6

December 2022

## Experience

**Associate Software Engineer**, US Bank – Richfield, MN

January 2023 – Present

- Developed and deployed a containerized cron job to update metadata properties of a document, allowing users to consolidate a customer's documents under a single account identification number
- Developed and deployed a background service to consume documents from a SQL database, format the document metadata, and send it to a Kafka topic, in order to assist an outside team with synchronizing their document database
- Developed and deployed an OAuth client NuGet package to allow our team to retrieve API access tokens seamlessly, removing the need for duplicated authorization code within our applications
- Developed and deployed a client for our internal API as a NuGet package to allow easily configurable calls to our API from within our applications
- Built three Splunk dashboards to visualize important metrics for our team's applications, reducing the need to make repeated queries to read from the logs

**Software Development Intern**, US Bank – Richfield, MN

June 2022 – August 2022

- Developed a console application to consume, sanitize, and generate reports from the logs of our team's applications, reducing the need to make repeated visits to Kibana for frequently queried data

**Help Desk Consultant**, Minnesota Supercomputing Institute – Minneapolis, MN

June 2021 – January 2022

- Provided technical support to end users

**Research Assistant**, University of Minnesota – Minneapolis, MN

January 2021 – June 2021

- Member of the command and data handling team for the UMN Small Satellite research lab
- Developed device drivers for the inertial sensor onboard the satellite

## Skills

**Programming Languages:** C#, SQL, Java, Python, C, C++, JavaScript, HTML, CSS

**Frameworks:** .NET Core, Node.js

**Developer Tools:** Git, Bash, PowerShell, Jenkins, SonarQube, Fortify, Rancher

**Certifications:** Microsoft Azure Fundamentals