

# Andrew Wolf

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## SKILLS

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- Java
- [ASP.NET/C#](#)
- Gatsby.js
- NetBeans, VSCode, Atom IDE
- Spring MVC
- Test Driven Development
- Version Control (Git / GitHub)
- Spring Security
- MySQL Workbench
- Database Design
- Spring JDBC
- SQL Query Writing
- JPA with Hibernate
- Javascript/CSS/HTML
- RESTful API Design
- jQuery
- CMS Design / Implementation
- MS SQL Server Management Studio
- Dapper Micro ORM
- Statistical Analysis

## EXPERIENCE

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### Wolf Consultin, Inc.

May 2018 - Present

#### Software Developer, Owner

- Contracting through Workweek Solutions, built a backend **.NET** app for JIT Energy Services. The app gathers historical weather data from AeriWeather.com's API on select account locations and, utilizing Accord.NET and Math.NET libraries, optimizes the linear/multiple **linear regression** equation of energy usage on a combination of heating and cooling balance points. **Topshelf Windows Service** and **Quartz** are used to schedule a daily API call for weather data, then queries for new energy reports to calculate the expected energy usage. **MS SQL Server Manager** and **Dapper's Micro ORM** were used to design tables and interact with multiple relational databases
- Developing a **static site** for a film and photography portfolio site with a travel and projects blog. Implementing **Gatsby.js**, **Node.js**, **React.js**, **GraphQL**, and other new frameworks and methods puts **Progressive Web Apps** on the cutting edge of speed could not be more fun to research and design

### The Software Guild - Minneapolis, MN

January 2018 - April 2018

#### Java Apprentice

- 70+ hour work weeks in a student-driven, comprehensive learning environment introduced a passion for learning and efficiently implementing computer languages, frameworks, and technologies
- Developed both console and full stack, multi-tiered web applications in weekly sprints such as:
  - *NPO Contact Platform* -
    - **JPA**, **Spring MVC** **Maven Archetype**, and **MySQL** work with **Spring Security** and **TinyMCE** to deliver a custom **Content Management System** for an app that let's members log in to manage and compose their Non-profit's contacts, mailing lists, and messages
  - *Super Hero Sightings Tracker* -
    - **JDBC Templates**, **RowMappers**, and **prepared statements** communicate with the Data Layer to produce a fully integrated, interactive, multi-page web app
  - *Hotel Reservation Relational Database Schema* -
    - **Database design** efficiently models multifaceted data relationships for a hotel's manager system
    - **Creation Script** and **ERD** delivered with **MySQLWorkbench**
  - *Vending Machine RESTful Client* -
    - **RESTful API** was examined with **Postman**, then **JSON** response bodies guided the **HTML/CSS/JavaScript/jQuery** design of web client
  - *Vending Machine Spring MVC Web App* -
    - Mimicking the **RESTful API** but implemented without the help of **JS** and **AJAX** calls, this server-side app deploys on **Tomcat**

## EDUCATION

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### University of Montana

2009-2011, 2013

Mathematics