

# Alvin Hill

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LinkedIn <https://www.linkedin.com/in/alvin-hill-3a7120296/>

Profile page: <http://alvinrainhill.com/index.html>

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## EXPERIENCE SUMMARY

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- At Prosper IT, I coded 3 stories on a theater company project code base as member of an Agile/Scrum development team with Prosper IT Consulting. I created a full CRUD code-first database using Entity Frame Work and MVC. Second, I coded the home page using Bootstrap and CSS. The third story was to style the Create and Edit view pages of the database using Bootstrap and CSS.
- Previous to Prosper IT, I studied and coded for four years using several books including “Murach C# 7<sup>th</sup> edition”. My most significant application is my “Bank Reconciliation Program”. It reorders my bank statement file to reflect my checkbook, removes extraneous information and reclassifies confusing labels. Then it provides a running balance of all entries. I use this program every month and I save an hour every time I use it. Next upgrade is to include the cvs file format.
- I created a simple “ATM” application using Visual C# linked to an SQL database. The program has a customer table and a transaction table that is linked with a join to account numbers. It does deposits, withdraws and account display at this point. The upgrade path is built in queries for the admin page and a customer creation object.
- My next project was the “Guitar Store” application utilizing Visual C# and local database. It allows the user to select the brand, model and neck type of a guitar and computes the price. The next window is a shopping cart to input customer information. It validates the inputs and saves the cart information with a discrete auto incremented file number. The upgrade path for this application is to provide graphics of the products, SQL database and make it web based.
- I created a payroll program to demonstrate the application of a base class and several child classes. I use the base class to gather the name and social security number. Then the child classes are used together to compute different pay classes while utilizing the base class for the name and SS#.
- The last relevant application that I coded was “The Yearly Statistics” program. This one simply allows numerical input for each month and the results are displayed on three graphs: circle, bar and line graphs. The data for each year can be loaded and saved using a file requester.

## SKILLS SUMMARY

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Programming:	C#, Visual C#, Visual Basic, Html, CSS, JavaScript, SQL, Python.
Frameworks/Libraries:	.NET, MVC, Entity Framework, ASP.NET, ASP.Core, Bootstrap
Database:	Local Database and SQL Database.
IDEs:	Visual Studio, Visual Studio Code, SQL Server Management Console.
Version Control:	Github, Bash, Github Desktop..

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## EMPLOYMENT SUMMARY

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**Software Developer Intern:** Prosper IT Consulting - Portland, OR 16 Oct 2023 – 27 Oct 2023

Skills set: C#, .NET Framework, Entity Framework, SQL, MVC, CRUD, HTML, CSS, JavaScript, Bootstrap, Python, Visual C#, Visual Basic, Entity Framework, Github, Visual Studio, Visual Studio Code

**Position:** Regional Transit – Sacramento CA Aug 2020 - Present  
Transit driver. I am tasked with driving a “Smart Ride” route. I am dispatched by a computer system to respond to on-demand customer requests using the downloadable customer application.

**Position:** Private Driver – Sacramento CA Jul 2012 – Aug 2020  
I drove a private bus for a senior community. I also consulted with the manager to plan shopping and entertainment trips. I supervised the maintenance and inspection records for the bus to meet state and federal regulations.

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## Degree/Certification

**Certification in Software Development | The Tech Academy** Graduation Date: 27 Oct 2023  
Immersive Full Stack Software Developer boot camp with more than 600 hours of instruction and hands-on coding. Predominantly the program is based on C# and .NET along with the fundamentals of Computer Science, .NET Framework, SQL, MVC, CRUD, HTML, CSS, JavaScript, SQL, Agile / SCRUM and web application development. Completed numerous practical projects.

### Degree/Certification

Microsoft MCSE (Networking Cert 2003)  
High School Diploma 1974