

Michael Condra

Software Developer

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Resume: <https://scguild.com/Resume/9597R.pdf>

Summary

I am looking for growth as a developer in the software industry and as a student of futures markets.

I would consider working for any company that uses current technologies for web, data and AI, and let that company's needs guide my growth.

Over several years I was responsible for ongoing development of several Windows MFC/C++ programs that chart financial instruments. In one case, I wrote large portions of a new such program from scratch (Manhattan Beach Trading's DesktopPro).

Starting in 2015 I worked independently to develop intellectual property related to futures trading. The next step should be to validate insights I gained using machine-learning techniques. The objective would be to create methods that recommend index futures trades, alone or in combination.

To prepare for exploring trading insights using machine learning, I have accumulated Microsoft certifications in related areas, and will move progressively toward AI and big data. So far, the certifications are: **Power BI Data Analyst Associate, Azure AI Fundamentals, Azure Data Fundamentals, and Azure Fundamentals**. The following certificates are part of Microsoft's programs in full-stack and Python development: **Back-End Development with .NET, Database Integration and Management, Blazor for Front-End Development, Foundations of Coding Full-Stack, Introduction to Programming with C#, Introduction to Web Development, Python Programming Fundamentals, Data Analysis and Visualization With Python, Automation and Scripting with Python, Web Development with Python, Project Development in Python**. A focus of many certificates is the use of **Microsoft Copilot for AI-assisted development**. The following courses are part of IBM programs on full-stack and AI topics: **Introduction to Artificial Intelligence (AI)**.

As you can see from my resume, my software background goes back a long way. Much of that experience is applicable today, although the languages and hardware have changed.

Consider letting me work with or for you.

Experience

Developer

Self-Employed

September 2021 – Present

Tracy, California, United States

Developing intellectual property for futures trading and charting.

Taking coursework on Microsoft technologies, and soon on machine learning. Many of the beliefs and observations I have reached about market opportunities will be more valuable if validated through machine-learning techniques.

Key phrases: Copilot, VSCode, .NET, C#, GIT, GitHub, MFC/C++, SVN, Python.

Software Developer (Full Stack)

Novo Technologies

Modesto, CA

August 2019 – August 2021

Worked on the C# and SQL Server back end of a medical transportation system based on ASP.NET, communicating with an Ember and React front end. Contributed changes that made it easier to debug multiple projects in a single instance of Visual Studio. Previously the focus was more on separate dev and testing using Postman or after deployment. Wrote documentation and assisted other developers. Participated in migration of codebase to Azure.

Key phrases: C#, .NET, Visual Studio, VS Code, SmartGit, SQL Server, SSMS, IIS, Postman, NuGet, Node.js, NPM, Jira, Bamboo, Newtonsoft, JSON, Agile, TSQL, RDC, Azure DevOps.

Developer

Self-Employed

April 2015 – August 2019

Tracy, CA 95377

Developed intellectual property for futures charting and trading.

Reverse-engineered the MultiCharts workspace format; wrote tools to generate and manage thousands of workspace variants. Wrote a module to extend PowerLanguage and allow charts and workspace to communicate. Accumulated thousands of hours of screen time watching intraday futures markets.

Key phrases: MFC/C++, C#, WinForms, SVN, PowerLanguage, MultiCharts, Trader Workstation, Button Trader, IQFeed.

Programmer

MB Trading, subsidiary of TradeKing Group

April 2008 – April 2015

Manhattan Beach, CA 95377

(remote from Tracy, CA)

Created a full-featured desktop charting and trading program, MbtDesktopPro, starting from a skeletal charting program and a symbol- and account-data desktop program.

Implemented a clean-slate design to replace selected Microsoft Foundation Library classes and allow MDI child windows to pop out of the application frame, onto the desktop. Added features to trade from a chart, using draggable lines and chart annotations, similar to what can be seen in TDAmeritrade's ThinkOrSwim charting program.

Key phrases: Windows, MFC/C++, VMware Workstation, chart-trade integration.

Programmer

eSignal, division of Intercontinental Exchange

April 2004 – March 2008

Hayward, CA

Developer responsible for financial charting software QCharts 6 and Advanced GET 9 Dashboard Edition.

Changed QCharts to receive data from the eSignal and/or Continuum streaming feed.

Key phrases: Windows, MFC/C++, Winsock.

Programmer, Charting Software

Quote.com

February 2000 – April 2004

Mountain View, CA

Developer responsible for QCharts 4 and 5, a C++ stock charting application with 10000 subscribers. Doubled the number of studies and drawing tools.

Wrote AutoWave™ Fibonacci pattern finder.

Key phrases: Windows, MFC/C++, Winsock.

Software Development Engineer

Microsoft Corporation

February 1994 – December 1997

Redmond, WA

Worked on the Espresso no-recompile software localization package. This allows the near-simultaneous release of new software into multiple language markets.

Worked on a module that migrates Windows 98 settings to Windows NT.

Key phrases: Windows, Visual Studio, MFC, C++, localization tools, Windows resources.

Senior Programmer

Xerox Corporation

March 1983 – February 1993

El Segundo, CA

In the Standards Group, I wrote software to produce camera copy for ISO-10646, the international standard superset of UNICODE on a SUN workstation.

In the Corporate Font Center, I wrote software to deliver fonts for the full range of Xerox laser printers, on DEC VAX, PC, Alto and Dandelion workstations.

Key phrases: VAX, DCL, Windows, C, Mesa, BCPL, Alto, Dandelion, Ikarus contour typefaces, font editor, image conversion, SunOS, UNIX, sh, Interpress.

Software Engineer

Autologic, Subsidiary of Volt Information Sciences

December 1979 – December 1981

Newbury Park, CA

Worked on applications to support the delivery of digital typography for Autologic's APS-5 CRT phototypesetting machines, used by the New York Times, USA Today, and others.

Wrote the company's first visual font editor in NOVA assembly language, driving a plasma display.

Key phrases: NOVA computers, font editors, phototypesetters.

Education

University of California, San Diego

B.A., Linguistics. Emphasis on Russian. Honors

West Coast University

M.S., Computer Science. Artificial Intelligence Option.

Coleman College

B.S., Computer Science

Certifications and Certificates

Microsoft Certified: Power BI Data Analyst Associate

Microsoft Certified: Azure AI Fundamentals

Microsoft Certified: Azure Data Fundamentals

Microsoft Certified: Azure Fundamentals

Microsoft: Back-End Development with .NET

Microsoft: Database Integration and Management

Microsoft: Blazor for Front-End Development

Microsoft: Foundations of Coding Full-Stack

Microsoft: Introduction to Programming with C#

Microsoft: Introduction to Web Development

Microsoft: Python Programming Fundamentals

Microsoft: Data Analysis and Visualization With Python

Microsoft: Automation and Scripting with Python

Microsoft: Web Development with Python

Microsoft: Advanced Python Development Techniques

Microsoft: Python Development Specialization

Microsoft: Project Development in Python

IBM: Introduction to Artificial Intelligence (A)

Other

Spanish: 75%+. Russian: 75%+. Type Russian. SAT Math Achievement Test: 800.

Resume date: 20250328 18:00.