

Michael A. Ellis

Full-Stack Software Engineer | .NET Developer | ML Enthusiast

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TECHNICAL SKILLS

C# · JavaScript · ASP.NET Core MVC · ASP.NET Web Forms · ASP.NET MVC · T-SQL · Python · .NET
Java · Linux · HTML & CSS · Machine Learning · Git · Agile · Flask · Azure Fundamentals Certified
<https://github.com/bulltorious/>

RELEVANT PROFESSIONAL EXPERIENCE

US Bankruptcy Court

Oct 2013 – Mar 2022

Software Development Manager & IT Director | Raleigh, NC

Federal Bankruptcy courts provide trial adjudication and debt relief to millions of people and companies annually.

- Coded nationally available C# .NET software CourtSpeak and increased federal court adoption 100% every year for four years
- Wrote C# ASP.NET MVC 5 web application which combined COTS Nuance Dragon SDK, Nexidia phonetic search, and MITRE speech diarization software backends into N-tier design, exposed via Java web services, to automatically convert court hearings to text and analyze the feasibility of automated hearing transcription
- Developed Java Spring Boot web application and Restful web services which performed named entity recognition to better inform trial transcriptions
- Customized shell scripts and updated Red Hat Enterprise Linux court filing server using Perl and Bash to augment staff reductions
- Programmed multiple custom C# ASP.NET Core MVC web applications w/ SQL Server backend to increase staff efficiencies
- Chosen from 100+ IT directors nationally to serve as a member of “Court IT Operations Working Group” which included developing national standards on enterprise architecture, web development, and database selection
- Managed and mentored both a software development department and IT support department using agile methodologies like iteration planning, daily standups, and sprint retrospectives

US Bankruptcy Court

Oct 2010 – Oct 2013

Software Engineer | Raleigh, NC

- Created C# .NET Windows Forms installer and config application that reduced installation time from 10 hours to 2 hours
- Coded PhoneGap AngularJS file-sharing front end for Lotus Connections compatible with both iOS and Android mobile devices to provide the entire Federal Judiciary with an alternative mobile file sharing platform
- Ported multiple locally developed thick applications to ASP.NET MVC web applications with SQL Server backends to increase the productivity of 40+ operations employees
- Programmed prototype C# WinForms application for recording courtroom audio to save court \$10,000+ annually
- Chosen from 100+ programmers nationally to participate in “Mobile Development Working Group” to identify mobile stack choices and develop national standards for mobile application development

SAIC

Oct 2007 - Sept 2010

Software Engineer | Camp Lejeune, NC

SAIC is a defense contracting company that provides government services and information technology support.

- Engineered C# ASP.NET web application that streamlined organization paperwork process associated with movement tracking, orders generation, and current administrative status of 40,000+ Marines
- Developed a C# ASP.NET web application for simplifying workflow management and bookkeeping requirements for organizing personal inventory movement of thousands of Marines deploying overseas and stationed locally.
- Completely redeveloped MCB Camp Lejeune website using HTML, CSS, and jQuery for a more uniform appearance, better information organization, SECNAV compliance, and Section 508 compliance.
- Received letter of commendation from the base commanding officer, a spotlight in the SAIC quarterly company newsletter, and won 2nd place in the national USMC public affairs website contest

DEVELOPMENT PROJECTS

- ASP.NET Core 6 MVC restaurant review site. Deployed on Azure. <https://restaurantreviewsraleigh.azurewebsites.net/>
 - Python Flask condo price estimator using Machine Learning, Scikit-learn, and Pandas. Deployed on Azure. <http://bit.ly/3O733DU>
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EDUCATION

Fairfield University	· Fairfield, CT	Bachelor of Science in Software Engineering, Minor in Math
East Carolina University	· Greenville, NC	Master of Science in Software Engineering, Focus Project Management
Georgia Tech	· Atlanta, GA	Machine Learning for Trading, Machine Learning