

MICHAEL PHILIP RAGSDALE

U.S. Citizen • [Request via Email](#) • [✉ michael.ragsdale@raggiesoft.com](mailto:michael.ragsdale@raggiesoft.com) • **Norfolk, Virginia • No Relocation**

Solution-driven Web and Desktop Developer adept at contributing to highly collaborative work environment, finding solutions, and determining customer satisfaction. Proven experience developing consumer-focused websites using HTML, CSS, PHP, jQuery, and JavaScript. Built products for desktop and mobile app users over 10 years, meeting highest standards for web design, user experience, best practices, and speed. Designed and developed web applications across multiple APIs, third-party integrations, and databases. Please visit my website at <https://raggiesoft.com/portfolio/> to learn more about me!

WEB DEVELOPER EXPERIENCE

ACCESSIBLE WEB AND DESKTOP DEVELOPER, RAGGIESOFT

OCTOBER 2022 – PRESENT

- Create C# Programs for Windows PCs using Microsoft Visual Studio 2022, Microsoft .NET 7 Desktop Runtime, and InstallAware Developer
- Combing multiple languages (C#, HTML, MSicode, CSS, Bootstrap, NSIS) into a cohesive unit to display works of fiction on Windows PCs
- Create websites that are responsive, automatic dark mode friendly, and comply with Section 508 and WCAG 2.1 rules
- Create MySQL Database and connect it to RaggieSoft.com front end using MySQLi
- **In Progress:** Studying for [Department of Homeland Security's Trusted Tester](#) Certification (Section 508 Compliance)

SECTION 508 COMPLIANCE, GAP SOLUTIONS

JULY 2022 – OCTOBER 2022

- Made fixes to GAP Solutions client documents for accessibility standards
- Began learning how to make fixes to Adobe PDF documents
- Began learning how to create Adobe Captivate presentations

SECTION 508 COMPLIANCE, OLD DOMINION UNIVERSITY

NOVEMBER 2019 – JULY 2022

- Verified HTML and CSS work submitted by student employees
- Located, Fixed, and Validated internal webpages for university online classes using Personal Learning Environment (in-house developed LMS) as well as [Canvas](#) LMS for [WCAG 2.1](#) level AA and [Section 508](#) compliance
- Migrated classes from PLE to Canvas
- Submit HTML [Deque axe accessibility reports](#) to management
- Worked on JavaScript and jQuery based online student learning activities using PLE
- Applied emerging technologies to update and maintain site applicability
- **Managerial References Available Upon Request**

MOBILE APPLICATIONS DEVELOPER INTERN, DOMINION ENTERPRISES

SEPTEMBER 2012 – DECEMBER 2012

- Created dictionary of real estate terms mobile app to learn Titanium SDK (based on JavaScript)
- Learned Android and iOS development by way of Titanium

EDUCATION

B.S. CUSTOMIZED, OLD DOMINION UNIVERSITY

DECEMBER 2023 (IN PROGRESS, ONE CLASS TO GO)

- Customized Bachelor of Science in Leadership
- Customized Degree that allows me to do IT related work while still meeting University requirements
- Took classes related to HTML, C++, Cybersecurity (from a policy perspective)
- Learned the basic of Logic Gates
- Constructed a web-based tool I call *RaggieSoft Presentation Software* to allow giving a presentation to a university class from an iPad while not having to look back at the screen, to assist with overcoming a mobility impairment
- Constructed a web-based responsive photo gallery about rocks for an Earth Science Lab, which features a small portion intentionally left broken to demonstrate error handling skills

TRANSFER CREDIT, TIDEWATER COMMUNITY COLLEGE

DECEMBER 2013

- Took classes related to HTML, Java, JavaScript, and C++
- Combined skills from Astronomy and JavaScript class to construct a website that charted phases of the moon for a class project

CERTIFICATE OF COMPLETION, WILSON WORKFORCE AND REHABILITATION CENTER

MARCH 2010

- Learned PHP (which currently powers my website www.raggiesoft.com)
- Learned basic PC hardware and software repair

DEVELOPER SKILLS

SKILLS AT A GLANCE

- **Desktop Development:** C#, C++, Package and Deployment (using NSIS, Inno Setup, and InstallAware MSIcode), VB Classic (VB6), VB.NET
- **Web Development:** CSS, HTML, JavaScript, JSON, MariaDB (MySQL), PHP
- **Compliance Testing/Mitigation:** Web Content Accessibility Guidelines 2.1, Section 508
- **Web Libraries:** Bootstrap, jQuery, Font Awesome Pro
- **CMS/LMS:** Canvas, GitHub, Personal Learning Environment, WordPress (cloud & self-hosted)

OPERATING SYSTEMS AND OFFICE

- Learning how to use the [Kubuntu](#) Linux operating system for developing web applications using frameworks such as Laravel
- Learning how to use the [Windows Subsystem for Linux](#) to allow for cross-platform and web development using a Linux Terminal environment, powered by a [Ubuntu](#) terminal
- Intermediate to Advanced knowledge of all workstation versions of Windows from Windows for Workgroups 3.11's Program Manager up to and including Windows 11
- Microsoft Office 6.0 for Windows 3.1 up to modern releases of Microsoft 365 (formerly Microsoft Office 365)
- LibreOffice
- Most general office equipment such as fax machines, printers, scanners, etc.

DESKTOP DEVELOPMENT

- Learned Visual Basic in Visual Studio 6.0, and created StoreTrainer as a tool to keep my skills sharpened on older systems such as Windows NT 4.0, Windows 2000, and Windows XP since they are still out in the wild
- Learned modern Visual Basic using Visual Studio versions 2002 through 2022
- Learned C# in Visual Studio 2019 through 2022, HTML, Bootstrap, CSS, JavaScript, jQuery, and [InstallAware \(MSIcode\)](#) and combined them into software to display my works of fiction on a Windows based PC.

WEB DEVELOPMENT

- Created a responsive dark mode friendly [website](#) that complies with Web Content Accessibility Guidelines 2.1 Level AA using Atom, Notepad++, and FileZilla
- Use MySQL to house data and retrieved it using MySQLi
- Built a Web API using PHP as a Proof of Concept to check version information of Windows EXE files on a remote server, which can be used in conjunction with a Check for Updates function on a desktop application
- Constructing two self-hosted WordPress based sites (one as a CMS and the other as a Blog) to learn how to use the software
- Constructed a CSS Customizer since I am not familiar with a CSS Preprocessor (or when using a Preprocessor is off-limits) and need to get certain elements across multiple CSS files to act similarly, which is used to get sizes to be the same across the Light Mode and Dark Mode versions of my website, as well as to get first-line indents and image placement to be a thing on my Book Reader.
 - Customizer used to also include a shim for Visually Hidden (formerly sr-only) content to allow a screen reader to access content that couldn't be shown another way (for example, text inside of an image that is too long for an alt tag, before display and z-order utilities were a thing with CSS)
 - The Visual Hidden shim was removed when browsers started standardizing how Visually Hidden content was handled as it was no longer needed

EXTRA CIRRICULAR ACTIVITIES

DIRECTOR OF ADMINISTRATION FOR ODU RESIDENCE HALL ASSOCIATION

SEPTEMBER 2015 – MAY 2017

A VARIATION OF STUDENT GOVERNMENT ASSOCIATION FOR THE ON-CAMPUS RESIDENTIAL STUDENTS

- Created Google Drive folders for individual Residence Halls to place their reports in, and worked on Security Permissions so that folder could only be viewed by authorized personnel
- Created minutes and presentations for RHA Executive Board meetings
- Traveled as necessary to university sponsored conferences

FIRST LANDING STATE PARK

APRIL 2015 – AUGUST 2016

- Volunteer Work for the Park
- Collected parking fees
- Gave general park information appropriate for an entrance booth setting