

# Charles T. Montgomery

## Frontend Development | UI/UX Design

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## EMPLOYMENT EXPERIENCE

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### **2025-Present | Substitute Teacher | Prince William County Schools | Prince William County, VA**

- Substitute teaching for kindergarten through 12th-grade classes, as well as music and art classes.

### **2015–2024 | Frontend Developer | Optimo-IT | Manassas, VA**

- Contributed to the development of responsive interfaces for various USPS platforms, including USPS's Informed Delivery™ web application using React, TypeScript, JavaScript, Java, JSP, WebSphere, Spring Boot, and Bootstrap.
- Created responsive HTML email templates for USPS, ensuring cross-email client and web compatibility using Java, HTML, and Litmus.
- Supported Google Cloud operations and DevOps tasks using UNIX, Jenkins, Artifactory, and SonarQube.
- Ensured 508/WCAG compliance through documentation and accessibility workshops.

### **2009–2015 | Graphic Web Designer | Tiber Creek Consulting | Fairfax, VA**

- Created responsive interfaces for National Guard and Department of the Navy portals using HTML, CSS, JavaScript, jQuery, Adobe Flash, SharePoint Designer, and Joomla.
- Styled icons, graphics, and branding for multiple platforms while ensuring 508/WCAG compliance.
- Created prototypes and mockups to support portal design and functionality enhancements.

### **2006–2009 | Digital Media Artist | Applied Research Associates | Raleigh, NC**

- Modeled and Textured 3D assets for military training simulation software and visual elements for proposals and marketing materials using Adobe Creative Suite and Autodesk 3DS Max.
- Produced interactive and print materials, proposal graphics, and trade show displays.

### **2005–2006 | Adjunct Instructor | Surry Community College | Dobson, NC**

- Instructed Traditional Illustration and Computer Graphic Design as an adjunct instructor for two semesters using Adobe Illustrator, Adobe Photoshop, and Quark Express.

# PROJECTS

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## **Portfolio Website:** [www.tmontgo.com](http://www.tmontgo.com)

- Built a dynamic React-based website showcasing professional projects, resume, and a "How It's Put Together" section explaining technical approaches.
- Developed a full-stack task management application hosted on the Google Cloud platform, featuring a React frontend, Node.js backend, and PostgreSQL database.
- Integrated features such as CSV file uploads, calendar views, light/dark themes, and metrics dashboards for visualizing task performance and progress.
- Ensured 508/WCAG compliance and implemented Material-UI for a modern, responsive UI.

## **Tarot Reading Website:** [www.eztarotz.com](http://www.eztarotz.com)

- Engineered an AI-powered web application providing personalized 3 or 5-card tarot readings by integrating with Google's Gemini API for dynamic interpretations.
- Frontend developed with HTML, CSS, and JavaScript, hosted on Firebase Hosting.
- Backend implemented as a serverless Cloud Function for Firebase, managing API requests and data processing.

## **Ad-Free Weather Website:** [www.ezweatherz.com](http://www.ezweatherz.com)

- Developed a clean, ad-free weather application using Next.js and TypeScript, focused on delivering a simple and fast user experience.
- Utilized Docker for containerization and deployed on Google Cloud Run for scalability.
- Sourced real-time weather data from the National Weather Service (NWS) API.

# OBJECTIVE

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Innovative UI/UX/Web Developer with extensive experience in building responsive, accessible, and engaging web applications. Eager and passionate about exploring and leveraging AI technologies to push the boundaries of user-friendly website design and development.

# EDUCATION / CERTIFICATIONS

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- Google Cloud Certification - Generative AI Leader - Series ID 1861
- DHS Trusted Tester Certification (TTv5) TT-2505-07367
- Professional Scrum Master 1 – Scrum.org
- Praxis 2 Exam – Art: Content Knowledge (5134) – 172
- BFA in Media Arts and Animation – Illinois Institute of Art, Schaumburg, IL
- AA in Computer Animation – Art Institute of Atlanta, Atlanta, GA
- AA in Pre-Liberal Arts – Surry Community College, Dobson, NC

# SKILLS

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- **Full-Stack Development:** React, TypeScript, JavaScript, Node.js, Express, Java, Django, Python, HTML, CSS, SQL, PostgreSQL, JSON, XML, Bash, Gradle
- **Graphic Design and UI/UX:** Adobe Creative Suite, Autodesk 3ds Max, Blender, Pixel Studio, DaVinci Resolve, Traditional Studio Art
- **AI and Emerging Technologies:** ChatGPT, Gemini, Gemini CLI, Gemma 3, Llama 3, Prompt Engineering Techniques (Zero/One/Few-shot, Role, Prompt Chaining, Grounding, RAG)
- **Tools & Platforms:** ANDI Trusted Tester, SonarQube, Jenkins, Artifactory, Google Cloud Platform (GCP), Google Tag Manager, Render, LM Studio, Firebase, Google AI Studio, Vertex AI, VS Code, Eclipse, Android Studio, Docker, Git, SVN
- **Project Management & Collaboration:** MS Teams, SharePoint, Joomla, VersionOne, Jira