

# PAUL ROSS, MS

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## WEB DEVELOPER | FRONT END ENGINEER

**Interpersonal Web Developer** with experience spanning front-end, back-end, and full stack design, development, and implementation. Strong ability to write code for websites, mobile applications, and internal tools. Cultivate collaborative relationships across function and role to determine project requirements and direction for successful outcomes. Analytical problem solver identifying opportunities to close gaps in processes, automate workflows, and dramatically improve team and organizational productivity.

### CORE EXPERTISE

Website Design | User Interface Design | User Experience Design | Creative Problem Solving | Strategic Solution Development | Collaborative Team Player | Agile Methodology | Integrated Development | Clear Communications | Responsive Design Thinking | Analytical Decision Making | Process Improvements | Workflow Automation | Current Technology Trends |

### TECHNICAL PROFICIENCIES

Vue.js | JavaScript | Vuetify | Axios | Bootstrap | CSS | HTML5 | SQL | Git | iOS | Python | Django | Custom APIs | Bitbucket | Jupyter Notebook | Visual Studio Code | Vuex | Quasar | Sourcetree | Remedy | ASP.NET | REST API | JSON | Strapi | Cognito | Postman | Azure | Atlassian | Jira | Slack | NVDA | Confluence |

### DEVELOPMENT EXPERIENCE

#### WEB DEVELOPER | TELEFLEX | 2021 – Present

- **Maintain and update websites and web applications** using content management systems, APIs and various JS frameworks.
- **Collaborate with customers and team members** to provide accurate and timely results using best practices and responsive design.
- **Lead UI development strategies for third party applications** based on the latest UI/UX design principles
- Design and **maintain back-end systems and APIs** using C# and ASP.NET to **improve functionality and scalability**.

#### DIGITAL INTERACTIVES DEVELOPER | [ANDELA](#) - GREATMINDS

- Developed an **innovative accessibility tool** to assist team members in **converting lessons into accessible formats, enhancing content accessibility** and usability.
- **Collaborated with a team of former educators and IT professionals**, leveraging collective expertise to **improve educational content** and **deliver value**.
- Focused on ensuring the **accessibility of each lesson based on WCAG standards**, contributing to a more **inclusive and effective learning environment**.
- Played a pivotal role in **cross-functional team efforts**, integrating **educational insights** with **technical solutions** to **optimize lesson delivery**.

### DEVELOPMENT PROJECT EXPERIENCE

#### [ACCESSIBILITY \(A11Y\) TOOL](#)

- Engineered an advanced **accessibility tool aimed at transforming** traditional HTML content into **accessibility-compliant formats**.
- Designed an **intuitive graphical user interface (GUI)** that allows users to **input HTML code** and receive an **optimized, accessibility-friendly version for educational content**.
- Implemented features to **convert HTML tables to flexbox display tables and grids**, enhancing the adaptability and accessibility of web layouts.

- Integrated functionalities for border adjustments, adding image overlays on text, and embedding alternative text for elements, ensuring **comprehensive accessibility improvements**.

#### TUTORING WEBSITE DEVELOPMENT PROJECT

- **Envisioned, designed, and developed website within 8 hours** using the latest technologies and techniques aligned with best practices.
- **Grew client base to maximum capacity, 10-15** recurring tutoring students in and around the local community.
- Engaged multiple **custom APIs, credit card validator, and enhanced font, color, hover, and click properties** for ease of use.
- **Reduced site build time by 2 hours** through quick reference and at-your-fingertips resource guidance.

#### MEMENTO MORI

- **Conceived and developed** a thought-provoking Vue.js application encapsulating the Stoic philosophy of 'Memento Mori' to encourage life **reflection and mindfulness**.
- **Implemented an aesthetically pleasing design** that combines functionality with contemplative elements, inviting users to engage with the ancient **philosophy in a modern context**.
- Embarked on this project inspired by **personal readings on Stoicism**, aiming to translate philosophical concepts into practical tools that have a **positive, real-world impact**.

#### LANDSCAPING WEBSITE REDESIGN PROJECT

- **Conceptualized and architected a visually compelling website within 8 hours** using photographs of company's landscaping work.
- Integrated myriad front-end APIs and buttons **elevating customer experience and improving site navigation**.

#### DJANGO BLOG PROJECT

- **Analyzed specific customer requirements and researched techniques** applied to successful targeted audience coding blog.
- **Built interactive back-end web application in 10 hours** using Python anywhere, CSS, and HTML.

#### CREDIT CARD VALIDATOR PROJECT

- Applied Luhn algorithm and JavaScript to **fully optimized back-end 4-step credit card validation within 2 hours**.

#### ADDITIONAL PROFESSIONAL EXPERIENCE

##### INSTRUCTOR | SEO Scholars | 2020 – 2023

Planned, researched, and collaborated with co-instructor to deliver weekly advanced student instruction using Jam Board and Desmos.

- Tailored curriculum and inclusive remote instruction style to **30 diverse students of all learning styles per semester**.
- **Consistent record of 100% pass rates** resulting from customized curriculum, assignments, and assessments.
- **Formulated weekly advisory supplementary topic** to prevent burn-out, stress, depression, and other high achiever issues.

##### HIGH SCHOOL MATH TEACHER | Rolesville High School | 2020 – 2021

Primary writer and presenter of engaging curriculum aligned with state standards and proprietary school programs delivered through an array of remote and in-person learning tools to stimulate a love of learning and balance rigorous coursework and expectations.

- Facilitate **30 students' progression** through designated math courses across **3, 90-minute classes, daily**.
- **Collaborate with specialists and staff** to deliver against individualized learning requirements for **50% IEP** population.
- **Rapidly innovate and iterate on school programs, resources, tools, and curriculum** to elevate learning experience and time savings.
- **Team Player serving additional daily duties** spanning morning, lunch, afternoon, bus, and other class instruction coverage.

##### MATHEMATICS TEACHER | Hyde Leadership Charter School | 2018 – 2020

- Authored differentiated curriculum while teaching **25 students to think creatively and innovatively**.

- Compelled learning across Algebra 1, Geometry, Computer Science, and Physics through captivating lessons and facilitation.
- **Tracked and monitored individual data** to inform instruction and mentor individual student success, particular for **25% on IEPs**.
- **Designed, evolved, and led instruction for ½ year Coding Course** based on Bootstrap Algebra coding, first researching, writing, and winning business case for course with administration.

#### ALGEBRA & GEOMETRY TEACHER | New Visions Charter School | 2016 – 2018

- Partnered with Special Education teacher in each classroom to **tailor learning for 30 students, 30% IEPs, in 4 - 65 minutes classes**.
- **Accelerated Regents Exam scores by 22%** within the 1<sup>st</sup> year.
- Created Peer Influence Club **reducing behavioral disruptions by 30%** through tactical mentoring and accountability of **20 members**.

#### EDUCATION, CERTIFICATION, & PROFESSIONAL DEVELOPMENT

**MASTER OF SCIENCE | Educational Psychology** | Marist College | Poughkeepsie, NY  
5 – 6 Extension Certificate

**BACHELOR OF ARTS | Secondary Education** | Iona College | New Rochelle, NY  
NCATE Accreditation | Mathematics, Grades 7 – 12 Certificate

**CERTIFICATE | Build a Website** | Codecademy

**CERTIFICATE | Front End Engineer** | Codecademy Pro

**CERTIFICATE | Python Bootcamp** | Udemy

**CERTIFICATE | Crash Course** | Eric Matthes

**CERTIFICATE | Learn JavaScript** | Codecademy

**CERTIFICATE | Learn CSS** | Codecademy

**CERTIFICATE | Intermediate CSS** | Codecademy

**CERTIFICATE | Learn Responsive Design** | Codecademy

**CERTIFICATE | Learn Color Design Course** | Codecademy

**CERTIFICATE | Learn HTML** | Codecademy

**Bootstrap Algebra** | bootstrapworld.com

**30 Days of Code** | Hackerrank Challenges

#### HONORED ACCOLADES

*"While Paul is a young teacher, he displays professionalism and conscientiousness of a seasoned veteran. As a geometry teacher, Paul worked in tandem with his Co-teacher. The systems and routines were clearly outlined throughout the room and soft chatter about math was commonplace. In the CS through Algebra course, Paul showed a willingness to learn with his students through code. His humility and patience were on full display as the varying level of math ability and comfort in the room was vast. The classroom was full of joy, the occasional bewilderment at a broken strand of code, and students taking full responsibility for their own learning... Paul's goals were met and led to a more robust learning environment. His willingness to take on new challenges has made him even more versatile... His professionalism and humility continue to grow as a model for students and staff alike."* ~ Matthew Hittenmark, Asst. Director, Hyde Leadership Charter