

Ehsan Elgendi

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Experienced Web Developer with passion and demonstrated experience in UI/UX front end development and a Master's degree in Computer Science. Skilled in various web tools and technologies such as JavaScript, CSS, HTML, and Flask; and Information Visualization such as Highcharts and D3.

Languages

- JavaScript
- HTML
- CSS
- Ajax
- Python
- SQL
- SQLAlchemy
- jQuery

Frameworks

- ReactJS
- Highcharts
- Plotly
- D3
- ChartJS
- Bootstrap
- Flask
- Jinja
- Tableau
- Git

Tools

- Balsamiq
- WordPress/Hubspot
- Moodle
- Captivate
- Dreamweaver

Education

- M.Sc., Computer Science** - Virginia Tech, Blacksburg, USA August 2017 - May 2019
Data Visualization in Digital Education, (Interactive Multimedia in Digital Courses), GPA: 3.9/4.00
- B.Sc., Computer Engineering** - Zagazig University, Egypt May 2005

Work Experience

- Full Stack Web Developer** – DeepVu, Ottawa, ON June 2021 - Now
- Developed Flask analytics dashboard (login/register, email confirmation workflow, landing pages for AI models)
 - Built wireframes for AI decision models then implemented them with JS, HTML, and CSS into Flask dashboard.
 - Created Data Visualizations for AI data analytics models using different libraries such as Highcharts, Plotly, and D3
 - Fixed and updated modern responsive website that meets the UX/UI design requirements
 - Managed code using Git version controls and performed code reviews
- Front-End Web Developer** – Unlimited Capabilities, Ottawa, ON Jan - June 2021
- Designed and created the website of Unlimited Capabilities (unlimitedc.com)
 - Integrated the website with Google analytics, and HubSpot to sync the web forms and live chat with HubSpot
- Web Developer/R&D Engineer** – Virginia Tech, USA 2017 - 2019
- Designed and Implemented a narration support tool for the JavaScript Algorithm Visualization framework
 - Developed interactive concept maps visualizations using D3 library for “Data Structure & Algorithms” course
- Web Developer** – E-learning Unit, Zagazig University, Egypt Sep 2011 - Aug 2014
- Planned, designed, and created web-based electronic university courses
 - Implemented interactive content within Learning Management solutions (LMS), using e-learning authoring tools
 - Developed e-learning courseware materials and deployed them to LMS

Selected Projects

- React/Node.js E-commerce Application** 2021
- Created React responsive app UX/UI with Functional reusable components, and Hooks
 - Implemented React app design with styled components objects and material UI library.
 - Implemented ecommerce features as navbar, shopping categories, and products list UI designs
 - Managed user and data with Redux and implemented fetch and filter products in React
- Concept Maps Visualizations in E-learning (Published paper)** 2018 - 2019
- Designed and implemented interactive concept maps to visualize glossary terms in e-courses
 - Created interactive hierarchical visualizations using JavaScript/D3 for the concept maps
- UX/UI Design: Online Portal for a University Student Organization** Spring 2018
- Studied the client's requirements, performed research data analysis, and constructed usage research data models
 - Designed user personas by doing: design thinking, ideation, sketching, and conceptual design
 - Built wireframes, mockups and prototypes then performed an evaluation of the final UX design.