



Alan Grosse

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Profile

I'm a Full Stack Web Developer with background in graphic design and leveraging a degree in Architecture from The University of Georgia to create solutions that are both user friendly and elegant. Eager to use my skills earned through a certificate in Full Stack Development from the Georgia Institute of Technology. Known for being organized, collaborative, and a problem solver. Self taught in ladder logic and msSQL at the Georgia Aquarium and maintained and reprogrammed equipment controls and PLC's. Eager to use my skills and unique perspective to create web elements that are functional and visually pleasing.

Skills

JavaScript, CSS, HTML, React, jQuery, MySQL, MongoDB, Git/Github, API's, JSON, Bootstrap, Ajax, Axios, VS Code, MVC, Handlebars.js, Express, Agile Software Development, Materialize, Node.js, Sass, AutoCAD/Revit, Photoshop/ Lightroom/ Illustrator, Project/ Team Management, Photography, Cartography

Projects

The Hikers Guide, *JavaScript, jQuery, Materialize, API's* 

A web application to plan immersion in the outdoors listing 16 relevant hikes in a given area or in the user's current location. Relevant trail details and weather information are also included.

Deployed Version: <https://aagrosse.github.io/theHikersGuide/>

Github Repo: <https://github.com/aagrosse/theHikersGuide>

Filefish, *Bootstrap, Handlebars, Node, Express, Sequelize, MySQL, Passport*

An application for tracking water quality parameters for any size aquarium or exhibit to get ahead of parameters going out of a range to keep the systems inhabitants in an optimal environment by analyzing water quality data.

Deployed Version: <https://file-fish.herokuapp.com/>

Github Repo: <https://github.com/aagrosse/fileFish>

Bandwagon, *React.js, Axios, Express, Bootstrap, Amazon S3, MongoDB, Algolia, Stripe*

A full stack digital music streaming platform to connect newer musicians to fans directly, removing the middle man to maximize funding going directly to the musicians.

Deployed Version: <https://bandwagon-project.herokuapp.com/>

Github Repo: <https://github.com/aagrosse/bandwagon>

Education

Georgia Institute of Technology, *Full Stack Flex Certificate*

University of Georgia, *Bachelors Landscape Architecture*

Courses

ComputerScience(CS50), *Harvard University*

An entry-level course taught by David J. Malan, CS50x teaches students how to think algorithmically and solve problems efficiently. Topics include abstraction, algorithms, data structures, encapsulation, resource management, security, software engineering, and web development. Languages include C, PHP, and JavaScript plus SQL, CSS, and HTML. Problem sets inspired by real-world domains of biology, cryptography, finance, forensics, and gaming.

HTML & CSS, JavaScript, React, *Code Academy*

Professional Experience

Georgia Aquarium, *Assistant Manager, Life Support Systems, Design and Engineering*

Managed a team of 14 technicians in charge of the life support systems of the aquarium. Maintained the MySQL database for the automation of the components included in the Life Support, troubleshoot sensors/automation/ and scripting, and reloaded and edited ladder logic for component PLC's. Created construction documents and provided construction administration for new systems

Freelance Consulting

Collaborated with a variety of consultants to help in the design process and create construction documents for zoo and aquarium exhibits, ozone systems, automation and control systems, and 3-D models of system components.

Historic American Landscape Survey (HALS), National Park Service, *Landscape Architect*

Documented the water system of the Shaker Village of New Lebanon, NY in both 2D and 3D digital formats.

Anofit, LLC, *Graphic Designer*

Created website elements and promotional graphics for a strength and conditioning wellness brand in downtown Atlanta.

Glatting Jackson Kercher Anglin (now AECOM), *Landscape Architect*

Conducted public meetings. Coordinated consultants (civil, electrical, structural, architecture, and irrigation. Managed project teams and created PowerPoint's/concepts/hand graphics/digital graphics/3D sketchup models/permit drawings/ construction documents/ and cost estimates. Conducted comprehensive surveys of floristic and faunal communities. Assessed population dynamics of existing federally-listed threatened and/or endangered species, such as gopher tortoises and sand skinks.

References

Jay Wozniak, *Director, Georgia Urban Parks, The Trust for Public Land*
404.514.8817

Gary Warner, *Director of Parks and Recreation Planning, WithersRavenel*
407.810.0097

Eric Hall, *Vice President of Construction and Facilities, Zoo Atlanta*
678.873.7401