
www.amacwhirter.com || www.github.com/amacwhirter || www.linkedin.com/in/amacwhirter/

EDUCATION

Georgia Institute of Technology

January 2017 – Present

Certificate in Full Stack Flex Web Development

- *An intensive 24-week long boot camp dedicated to designing and building web applications.*
- *Skills learned: HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node JS, MySQL, MongoDB, Express, Handlebars JS, SEO, React JS, and Meteor JS.*

University of Alabama in Huntsville

Graduated Cum Laude: May 2012

Bachelor of Arts in Art History

Minor in Philosophy

Senior Thesis: Merleau-Ponty and the art of Marcel Duchamp

- *Theory and application of 2D design, 3D design, perspectival, and isometric views.*
- *Studied theory, history, and application of different types of architecture and several engineered buildings, bridges, aqueducts, and other like structures and systems.*
- *Graphic design and HTML web design (XHTML, CSS, JavaScript). Use of Photoshop, Dreamweaver.*

APPLICATIONS BUILT

(See portfolio link for more)

BootCruit || <https://bootcruit.herokuapp.com/>

- *Building the tool to make job hunts easier for fellow developers in Coding Bootcamps, and make the hiring process easier for Recruiters and Hiring Managers.*
- *Recruiters view personal profiles of developers displayed through a D3.js Map and D3.js Force-Directed Graph based on location.*
- *One of four contributors.*
- *Built using: React.JS, D3.JS, Node.JS, Express.JS, MongoDB, Mongoose, JavaScript, jQuery.*

NYT Scrubber || <https://admnytreact.herokuapp.com/>

- *MERN Stack app which allows for the search of New York Times articles based on key words searched by user. User can save and delete articles.*
- *Sole Contributor.*
- *Built using: React.JS, Axios, MongoDB, Mongoose, ES6, Babel, Webpack, Node.JS, Express.JS, Handlebars, JavaScript, Bootstrap.*

FriendFinder || <https://admfriendfinder.herokuapp.com/>

- *A compatibility-based "FriendFinder" application -- basically a dating app. This full-stack site will take in results your users' surveys, and then compare their answers with those from other users. The app will then display the name and picture of the user with the best overall match.*
- *Sole Contributor.*
- *Built using: Node.JS, Express.JS, JavaScript, jQuery, Bootstrap, HTML, CSS.*

Oil Scraper || <https://admwebscrape.herokuapp.com/>

- *A webscrape app that lets users leave comments on the latest Edmonton Oilers news. These articles are not written by users of the app, but instead use Mongoose and Cheerio to scrape news from another site.*
- *Sole Contributor.*
- *Built using: MongoDB, Mongoose, Cheerio, Node.JS, Express.JS, Handlebars, JavaScript, Bootstrap*

WORK EXPERIENCE

BIM Manager/Mechanical Designer/Piping Designer

January 2013-Present

InSpec Group

Atlanta, Georgia

- *Use of AutoCAD, Plant3D, MEP, Navisworks to produce scaled 2D orthographic drawings, isometric drawings, and 3D Building Information Models (BIM) to coordinate projects and document revisions to construction documents.*
- *Building Information Modeling (BIM) Manager from engineering design through construction phases. In charge of the implementation of BIM Construction Management software throughout all projects.*
- *Visit job sites to compile measurements of building systems and components as well as setup and implement document control system with database protocol.*
- *Compare completed installations in field against IFC documents and complete as-built redlines for record.*
- *Assist in preparation of cost estimates, contracts, bid documents, and technical reports.*

Piping Designer/Drafting Technician

August 2012-January 2013

Kelly Services

Decatur, Alabama

- *Piping designer/drafting technician contractor for InSpec Group on a chemical plant.*
- *Assisted engineers and construction managers on pipe design and layout from sketches in the field to CAD drawings.*
- *Use of AutoCAD to draft the pipe design and layout in section views, orthographic views, and isometric views.*
- *Applied appropriate redline revisions to all drawings during the construction process.*
- *Was responsible for the organization and filing of all drawings and revisions.*

Mechanical Engineering Internship

May-August, December 2011-January 2012

Precision Well Servicing

Red Deer, Alberta, CAN

- *Assisted on projects guided by lead engineer, with approval upon completion.*
- *Projects included: Pump truck design for rigs, Oil rig design, Oil derrick design, and other oil/piping related projects.*
- *Extensive use of 2D AutoCAD and 3D Inventor for the design of piping, rigs, trucks, and other projects.*
- *Assisted engineer in field calls and sketching.*
- *Regular communication with other engineers, daily communication with welders and review of welders work on projects, and steady correspondence and meetings with clients on projects.*
- *Developed company-wide safety spec, with approval upon completion.*
- *Daily use of Excel, Word, AutoCAD, Autodesk Inventor.*