

Nicolas Leon

Education

*Virginia Polytechnic Institute and State University
B.S Engineering Science and Mechanics*

*University of Richmond
Full Stack Web Development Bootcamp: HTML5, CSS, JavaScript, JQUERY, NodeJS, React*

Notable University Projects

- Drink Cocktail Recipe Search Engine
 - utilizes recipe database API as well as wiki search API
 - Javascript provides functionality for search by name and by random selection
 - Foundation CSS framework for styling
- City Based Weather Forecast
 - utilizes Open Weather API and MomentJS API to display weather data
 - Javascript provides functionality for search by city name and persisting search history list

Work Experience

Applications and Mechanical Engineer: Power Systems And Controls

March 18 2019- Present

- Designed structural solutions for customer needs in Autodesk Inventor
- Translated 3D designs into production drawings for assembly personnel
- Coordinated with fabrication/installation teams and Project Management to deliver products on customer schedule

Nuclear Engineer: Huntington Ingalls Industries

June1 2016-January 2019

- Design, develop, and test nuclear equipment and systems.
- Conduct research on new materials of special interest in nuclear reactors.
- Study nuclear fuel cycle to define most economical uses of material and safest means of waste products disposal. Other areas of research include radiation transport modeling, statistical analyses and performance metrics.

Intern: Brock Associates, Inc.

June3 – Aug 7 2015

- Designed and coded user friendly control programs for Unitronics PLC and HMI equipment using Visilogic ladder logic software for various projects
- Designed and ran troubleshooting tests on various control circuits using Fluke test equipment
- Built open loop controller for rotational speed of industrial steel cable spooling mechanism
- Conducted research on cooling equipment for Hitachi inverter drive based on housing compartment geometry and environmental conditions

Computer skills

- Proficient with Visual Studios, Git Bash, Node JS, React, Autodesk Inventor 2021, AutoCad 2021, MatLab2016, Slack, Microsoft Office