

# Alex Geer

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Inquisitive, enthusiastic, and creative Computer Science graduate with a desire to constantly push the boundaries of my understanding. Skilled in math, logic, and programming; excellent at communicating, collaborating. Always eager to learn.

## Education

**University of North Florida | Aug 2018**

Magna Cum Laude | Major GPA : 3.82

College of Computing, Engineering & Construction, ABET and ACCE Accredited

*Bachelor of Science, Computing and Information Sciences – Computer Science*

## Technical Skills

- **Languages :** ECMAScript 2019, Python, Java, C
- **Frontend:** React 16, HTML5, CSS3, Vanilla JS, jQuery
- **Backend:** Node, Express, Apache, MySQL, MariaDB, SQLite, MongoDB
- **Development:** git, Mocha, Webpack, Babel, npm, pip, coffee
- **Deployment:** AWS, Linux

## Work Experience

- Full Stack Developer – Internship

**Innovias**, [www.innovias.com](http://www.innovias.com), (July 2018 – February 2019)

- Developed several versions of an event registration and payment app using React, Node, and MySQL
- Designed a new RESTful API and DB schema and an automated redeployment for a major upgrade of an app already in production
- Built a custom automated email module for use with Node servers
- Proposed and implemented code-splitting with Webpack to reduce bundle sizes
- Used Mocha for automated testing of complex, often asynchronous code
- Refactored existing ES6 libraries to ES7 (async/await)
- Refactored existing React projects from a class-based design to a functional design
- Developed a networked file system tree-diffing algorithm (implemented in Node, with network capabilities) for comparing a backup copy of a file system to the existing instance. The algorithm then only pushes the new or changed files.