# KYLE O'NEILL

SOFTWARE ENGINEER, NETWORK ANALYST, AND WEB DEVELOPER

## CONTACT INFO

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## 🎓 EDUCATION

**2014 | 2018**

**Bachelor's of Science**
Major: Digital Forensics
University at Albany, State University of New York                ✈ Albany, NY
GPA: 3.99

## SKILLS

JavaScript, Node.js
Rust
Python
C# + .NET
Bash
Git
SQL
C++
HTML/CSS

Strong collaborator
Team Player
Self-motivated
Analytical

## 💼 WORK EXPERIENCE

**June 2019 | February 2020**

**capSpire**
Junior Developer                                               ✈ Dallas, TX
• Developed ReactJS web apps working on both the frontend and backend.
• Assisted in migration of MySQL database to Hadoop on AWS EMR. Translated SQL scripts to PySpark.
• Updated internal Python tools.

**Jan 2019 | Mar 2019**

**Rational Enterprise**
Junior Developer                                               ✈ Albany, NY
• Aided development of AngularJS application, added features and fixed bugs.
• Lead refactoring effort to consolidate and simplify modal dialog boxes.
• Leveraged automated testing system I built for the project to proactively find and fix bugs.
• Updated and maintained automated testing system.

**Sept 2018 | Dec 2018**

**General Electric**
Emerging Technology Intern                                     ✈ Schenectady, NY
• Performed independent research of AWS technologies to see how they could be used to improve corporate processes.
• Worked on final stage of an Alexa for Business pilot. Refined the process of locating factory tools from paper-based to electronic, improving speed and accuracy. Added minor features and fixed bugs. Project is in production and being used on factory floor.
• Created Proof-of-Concept for Amazon DeepLens to understand the process of setting up the device and creating a machine learning model using SageMaker. Came up with potential use cases based on analysis of company needs, e.g., how to handle authentication on Alexa for Business devices, scanning for safety equipment on workers, and checking inventory. Created a Confluence page detailing device set-up and troubleshooting, along with an evaluation of device security.
• Performed product-comparison for Amazon's Lex on AWS and Microsoft's Luis on Azure. Developed metrics for evaluation based on review of product documentation, tutorials, and third-party articles and reviews. This comparison was documented on a Confluence page.

**June 2018 | August 2018**

**Rational Enterprise**
QA Intern                                                     ✈ Albany, NY
• Wrote end-to-end tests for Rational Review, a web application designed to help lawyers search through thousands of digital documents to prepare for litigation.
• Updated testing framework from CasperJS to Node.js in order to access modern JavaScript features. Tests were re-written using Puppeteer and Mocha.
• Assisted the company in obtaining compliance with the Agile software development cycle.
• Wrote a Node.js script to scrape federal and state websites to download legal accident report PDFs for corporate records.

## 📁 PROJECTS

**Personal**

• LeagueBot (Node.js, SQLite): Chat bot which uses both Discord and Riot APIs to provide information to users about their League of Legends account.
• Norgannon (React, Express, SQLite): CRUD web-app that allows users to store and sort YouTube videos by user defined categories.
• Terraview (Rust): A Rust program that edits binary WLD files for the video game Terraria, includes a basic WLD parser. Includes documentation for WLD files found on the internet and expanded/updated by me.

*This résumé was wholly typeset with HTML/CSS*