

BRYCE A. JUNKINS

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Education:

North Carolina State University (Expected Graduation: May 2021)

- Pursuing BS in Computer Science, G.P.A 3.73
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Work Experience:

- **Software Engineering Intern, Cisco**, June – August 2020
 - Constructed the Spring Boot backend for an HR web application, including designing and implementing REST service endpoints and integrating a relational database.
 - Integrated the ends of the web application's OracleDB/Splunk/Spring Boot/Angular tech stack.
 - Designed an algorithm to train a scikit-learn ML model to identify and reclassify mislabeled support case tickets, improving the accuracy and usefulness of nearly 300,000 existing cases as well as an average of 10,000 new cases per quarter.
 - **Network Test Engineering Intern, Nokia**, January – August 2019
 - Collaborated with a team of QA professionals to overcome test failures and fix complex bugs while managing deadlines.
 - Automated process for updating deprecated test scripts.
 - **Smart Lighting Intern, Cree Inc.**, Summer 2018
 - Developed a recursive Stress Analysis tool used by Electrical Engineers increasing efficiency and consistency.
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Skill and Technologies:

- **Languages:** Java, Python, JavaScript, C, Golang (in order of proficiency)
 - **Technologies:** Linux, Git, AWS (EC2, Amplify, Elastic Beanstalk), Docker, SQL Databases
 - **Frameworks / Libraries:** Angular, React, Gatsby, Spring Boot, NodeJS, scikit-learn, pandas
 - **Skills:** RESTful web services, Data Structures, Algorithms
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Projects / Extracurriculars:

- **TuneChef: Intelligent Spotify Playlist Creator** – brycejunkins.com/tunechef/
 - Built a WebApp on MongoDB/NodeJS/React stack that allows a host to create parties of Spotify users and intelligently generate playlists based on the combined music tastes of members using the Spotify API.
- **Reddit Thought-Police-Bot** - brycejunkins.com/thoughtbot/
 - Designed a Reddit bot in Python that conducts Sentiment Analysis investigations on target users, using the PRAW and TextBlob libraries.
 - Deployed on an AWS EC2 instance, continuously checking for username mentions
- **Tech@NCSU Vice President** - techatncsu.github.io
 - Built a volunteer management WebApp for local food pantry.
 - Lead Angular-based front-end team for WebApp
 - Developing sponsor company relations and managing a business development team