BRYCE A. JUNKINS

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Education:

North Carolina State University (Expected Graduation: May 2021)
  Pursuing BS in Computer Science, G.P.A 3.75

Work Experience:

Software Engineering Intern, *Cisco,* June – December 2020
- Constructed the Spring Boot backend for an HR web application, including designing and implementing REST service endpoints and integrating a relational database and an Angular frontend.
- Trained scikit-learn ML model to identify and reclassify mislabeled support case tickets, improving the accuracy and usefulness of nearly 300,000 existing cases.

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.,* May - August 2018
- Developed a recursive Stress Analysis tool used by Electrical Engineers increasing efficiency and consistency.

Skills:

Languages: Java, Python, JavaScript, C, Golang (in order of proficiency)
Technologies:
  Backend: Spring Boot, NodeJS, Flask
  Frontend: Angular, React, Gatsby, Selenium
  Database: SQL, SQLAlchemy, Hibernate, MongoDB
  DevOps: AWS(EC2, Amplify), Docker, Git, Jenkins
  Data Science: Scikit-learn, pandas, numpy
  Other: Linux, Bash, Splunk
Relevant Courses: Data Structures and Algorithms, Software Engineering, Automated Learning and Data Analysis, Natural Language Processing, Operating Systems

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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