

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
 - Designed an algorithm to train a Machine Learning 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.
 - Rebuilding legacy HR tools on a more modern tech stack to improve sustainability and efficiency.
- **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.

Technical Skills:

- Programming
 - **Java, Python, JavaScript, C, Golang** (in order of proficiency)
 - Data Structure and Algorithm fluency
 - Technologies / Proficiencies:
 - **Linux, Git, AWS (EC2, Amplify)**
 - **Angular, Gatsby, React**
 - **Data Science (scikit-learn, pandas)**
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Side Projects / Extracurriculars:

- **TuneChef: Intelligent Spotify Playlist Creator** – brycejunkins.com/tunechef/
 - Built a WebApp on MongoDB/Node/React tech 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 and Front-End Team Lead**
 - Built a volunteer management WebApp for local food pantry
 - Lead the Angular-based front-end team for the WebApp
 - Developing sponsor company relations and managing a business development team