

# KRISTOFER BUNO

KrisBuno@gmail.com · kristoferbuno.com · (352) 630-4835

## EDUCATION

**University of Florida, College of Engineering**

B.S. in Computer Science

**GPA: 3.92**

*National Merit Scholar*

Gainesville, FL

December 2022

## SKILLS

Languages: JavaScript / TypeScript, HTML5/CSS3, Python, Java, C++, C#

Tools: React, Angular, Git, Docker, AWS, Unity

## EXPERIENCE

### Lucid Software

Remote

*Software Engineer Intern [Data Infrastructure]*

May 2021 - Present

- Shipped key features on *Timelines*, an internal data analysis / debugging tool for internal users to trace back detailed user events on Lucid products
- Retrieved large data (>1MB/query) from **AWS DynamoDB**, forwarded data using an API built in **Python**, then employed state management in **React** for user-driven data filtering
- Wrote ETL jobs in **Scala** to migrate data from internal **MySQL** databases into Snowflake, providing up-to-date product data to data scientists and analysts nightly
- Automated pipeline scheduling files with **Python** scripts to optimize pipeline timing for ETL jobs

### University of Florida

Gainesville, FL

*Software Developer*

Sep 2019 - Aug 2020

- Co-engineered a single-page web app for doctors and academic researchers to catalogue patients, enabling UF to source MRI training data for Parkinson's disease image processing
- Developed linked list-based navigation system for users to navigate through patient directory
- Incorporated lazy initialization of patient data, trimming ~5s page load times to <1s

### Lockheed Martin

Orlando, FL

*Software Engineering Intern*

Jun 2019 - Aug 2019

- Developed on a web-based internal insights dashboard in **Angular** for an international sales team
- Authored *Holidays*, an interactive 5-day timeline with local holidays and corporate events
- Coordinated pair programming sessions with other interns to guide the implementation of comprehensive views for corporate events loaded in the *Holidays* module

### Lockheed Martin

Orlando, FL

*Software Engineering Intern*

Jun 2018 - Aug 2018

- Engineered a web app enabling users to quantify decision-making using comparison matrices
- Incorporated caching and auto-loading of decision data using browser-standard storage APIs

## PROJECTS (AVAILABLE AT [HTTPS://GITHUB.COM/KRISTOFERBUNO/](https://github.com/kristoferbuno/))

### Song Analyzer Python, NLTK, React, JavaScript

- Employs machine learning techniques to classify a song's appropriateness in four categories
- Calls **Genius API** to retrieve song metadata; web-scrapes lyrics from Genius website
- Trains machine learning model (Naive Bayes) with 60 songs and caches data for quick deployment
- Serves concurrent HTTP requests with Unicorn server built on top of Flask, written in **Python**
- Employs a RESTful API containerized using a **Docker** image and deployed to **AWS Lightsail**
- Front-end built with **React**; deployed using CI/CD pipeline from GitHub to **AWS Amplify**

## HONORS

### Benacquisto Scholarship Program

2019

Merit-based scholarship awarded by the state of Florida by qualifying as a National Merit Scholar

### Presidential Scholarship

2019

Admissions scholarship awarded by UF to the top 0.1% of freshman applicants