

# Kristofer Bruno

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## EDUCATION

**University of Florida**, University Honors Program  
B.S. in Computer Science  
**GPA:** 3.92

Gainesville, FL  
December 2022  
*National Merit Scholar*

## SKILLS

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

**Tools:** Jira, React, Angular, Git, Docker, AWS, Unity, npm, pip

## EXPERIENCE

**Lucid Software** - Software Engineering Intern - *Data Infrastructure* May 2021 – Present

- Launched *Timelines* with **React/Redux**, an intelligence tool for analysts to view events by user on Lucid products
- Migrated **millions** of **SQL** rows of actional user data to Snowflake with **Scala**, providing product data to analysts daily
- Identified automation need and built **Python** scripts, generating a deployment schedule of **60+** containers for ETL jobs

**University of Florida** - Software Developer Sep. 2019 – Aug. 2020

- Delivered a web app for researchers to catalog **hundreds** of patients, sourcing MRI data for Parkinson's research at UF
- Introduced data modelling with **Unified Modeling Language** to evaluate different options of data access by our API
- Restructured API to use lazy initialization of patient data from unstructured database, slashing 5s load times by **>80%**

**Lockheed Martin** - Software Engineering Intern - *Enterprise Applications* Jun. 2019 – Aug. 2019

- Shipped *Holidays*, a five-day dashboard calendar with holidays and company events built in **Angular / TypeScript**
- Architected API in **Node.js** to query **SQL** in parallel and shaped holiday/event data through an abstract factory pattern
- Mentored two interns via pair programming who engineered event-linked directories supporting **thousands** of contacts

**Lockheed Martin** - Software Engineering Intern - *Enterprise Applications* Jun. 2018 – Aug. 2018

- Engineered a web app to quantify decision-making in weighted categories using comparison matrices in **JavaScript**
- Incorporated caching and auto-loading of decision data using browser-standard storage APIs and data serialization

## PROJECTS @ ([www.github.com/kristoferbuno](https://www.github.com/kristoferbuno))

**Song Analyzer** @ [songs.kristoferbuno.com](https://songs.kristoferbuno.com) Python, React, JavaScript, HTML

- Predicts a song's appropriateness in four categories with a trained machine learning model (Naive Bayes)
- Retrieves song metadata from Genius's API and web-scrapes lyrical data from Genius website
- Caches pre-trained models for API in **Docker** image, saving 3 min. of spin-up time in deployment to **AWS Lightsail**
- Serves **React** front-end that is updated automatically with a CI/CD pipeline from GitHub to **AWS Amplify**

## AWARDS

**Benacquisto Scholarship Program** State of Florida

- Full-ride merit-based scholarship offered to National Merit Scholars attending a state university in Florida

**Presidential Scholar** University of Florida

- Merit-based scholarship offered to the top **0.1%** of entry-level applicants for the class of 2023