

KRISTOFER BUNO

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EDUCATION

University of Florida, *College of Engineering*
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

Remote

Software Engineer Intern [Data Infrastructure]

May 2021 - Present

- Delivered *Timelines*, an internal data analysis / debugging tool designed for data analysts and engineers to trace back events by user ID on Lucid products
- Wrote ETL jobs responsible for migrating millions of rows using **Scala**; automated scheduler files with **Python** scripts, providing up-to-date product data to the strategy team nightly
- Implemented highly-requested features into the data infrastructure team's software suite

University of Florida

Gainesville, FL

Software Developer

Sep 2019 - Aug 2020

- With another developer, released a complete web app for academic researchers to catalogue patients, enabling UF to source MRI training data for Parkinson's disease image processing
- Designed data models using Unified Modeling Language (UML) to optimize how hundreds of patients' data and patient subdata should be stored and accessed by our API
- Refactored API to use lazy initialization of patient data, slashing 5s page load times by >80%

Lockheed Martin

Orlando, FL

Software Engineering Intern

Jun 2019 - Aug 2019

- Developed on a data-at-a-glance dashboard in **Angular** / **TypeScript** for a global sales team and shipped *Holidays*, an interactive 5-day timeline with local holidays and corporate events
- Architected a RESTful API in Node.js to execute SQL queries in parallel, then shaped holiday and corporate event data in **TypeScript** through an abstract factory pattern
- Coordinated pair programming sessions, empowering other interns to learn the team's tech stack while expanding on features in the *Holidays* module with good code practice

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 @ songs.kristoferbuno.com *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