KRISTOFER BUNO

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EDUCATION

University of Florida, *College of Engineering* — Gainesville, FL
B.S. in Computer Science — December 2022
GPA: 3.92 — *National Merit Scholar*

SKILLS

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

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 Gunicorn 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