Kristofer Buno

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EDUCATION

University of Florida, University Honors Program   Gainesville, FL
GPA: 3.92 / B.S. in Computer Science   Expected Graduation: December 2022
Involvement: ACM, Competitive Programming Club, Filipino   *National Merit Scholar*
Student Association, Software Engineering Club

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 wrote a schedule generator in **Python** for 60+ **Docker** containers running ETL jobs

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

- Slashed 5s loads by >**80%** by restructuring API to use lazy initialization of patient data from unstructured database

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)

Song Analyzer @ 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*   Aug. 2019 - Present
- Full-ride merit-based scholarship offered to National Merit Scholars attending a state university in Florida

Presidential Scholar*, University of Florida*   Aug. 2019 - Present
- Merit-based scholarship offered to the top **0.1%** of entry-level applicants for the class of 2023