

Christopher Clarke

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EDUCATION

LOUISIANA STATE UNIVERSITY

BS IN COMPUTER SCIENCE

Aug 2016 - Present

Baton Rouge, LA

College of Engineering

LAKE BRADDOCK SS

Grad. May 2016

Burke, Virginia

COURSEWORK

UNDERGRADUATE

Advanced Data Structures

Object Oriented Design

Cloud and Web Programming

SKILLS

PROGRAMMING

Languages

Python • C • Java • JavaScript

Go • SQL • R • \LaTeX

Frameworks

ASP.NET Core • Django • SQLite

PostgreSQL • React • Docker

TensorFlow • OpenCV/dlib

D3.js

Cloud

AWS • Azure

EXPERIENCE

VELOCITY SQUARED | SOFTWARE DEVELOPER (INTERN)

March 2018 – Present | Baton Rouge, LA

Software development firm which contracts with some of the largest companies in the photography and print fulfillment industries.

- Developed TensorFlow-based DNN models for custom object recognition in Python.
- Built a message-based distributed computing framework in .NET Core for highly scalable parallel image processing.
- Used dlib to incorporate biometric data into cross-event image subject recognition and conglomeration.
- Contributed to ASP.NET application for reviewing processed events.
- Added biometrics to separate project which automated image organization for event photographers.
- Studied JPEG standard to speed up image resizing and thumbnail generation by 10x.

SOUTHERN REGIONAL CLIMATE CENTER | STUDENT WORKER

February 2017 - June 2017 | Baton Rouge, LA

Subsidiary of the NOAA which focuses on collecting and disseminating weather data in the south-central United States.

- Wrote and edited scientific research papers for journal publication.
- Used Python and R to run statistical analysis on massive climate data sets.
- Built data visualizations using JavaScript (D3.js)

PROJECTS

ACE COURSE EXPLORER | PYTHON/REACT

October 2018 – Present

Building a web application for an improved course scheduling experience at LSU. Built a RESTful Django API backed by a Postgres database. Front-end is a React web application.

TERMINALHW | JAVA

January 2017 - May 2017

Built a command line-based schoolwork organization tool in Java.

AWARDS AND EXTRACURRICULAR

Treasurer	LSU Men's Soccer
Member	Association for Computing Machinery
Member	Engineering Diversity Ambassadors
Finalist	National Merit Scholar
99 th percentile	SAT Score