

CHRISTIAN ALAIN DUKUNDE

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EDUCATION

University of London

Bachelor of Science Computer Science

London, UK Online

April 2022 - June 2025 Expected

- Study with students in more than 120 countries around the globe."

WORK EXPERIENCE

SendText.ai

Backend Developer

Remote

Jan 2022 - Present

- Develop and maintain MongoDB database and servers to integrate user-facing elements with server-side logic.
- Support integration with external providers' API.
- Optimize the performance of modules and coding blocks.
- Work closely with front-end team and UX/UI designer to analyze requirements and prepare technical specification.
- Use AWS for serverless micro-service implementations.

Systems Biology and Biomedical Informatics Laboratory

University of Nebraska-Lincoln

Lincoln, NE

Undergraduate Researcher

Jan 2019 - Sep 2019

- Received \$2,400 to engage in intensive research working on project "Informatics-Guided Approach to Study miRNA Sorting Through Motif Finding".
- Updated existing lab tools to add functionality. For example, I added protein folding on Motif Discovery based on Short Nucleotide Sequences(MDS2) tool which can be found at <http://sbbi-panda.unl.edu/MDS4/>.

Molecular Plant Virology Laboratory – University of Nebraska-Lincoln

Lincoln, NE

Undergraduate Bioinformatics Research Assistant

Sep 2017 - Nov 2018

- Developed computational tools to analyze genomic, transcriptomic, small RNA, and proteomic data
- Used and learned existing popular bioinformatics tools.
- Interpreted and analyzed genomic and sequencing data.
- Worked in teams through shared remote clusters.

Gudmundsen Sandhills Laboratory - Nebraska Extension

North Platte, NE

Summer Intern

May 2017 - July 2017

- Checked the moisture level of wheat and corn to verify their readiness for harvest.
- Collected data on cows feeding patterns on different forage types.
- Presented a poster on cows' preference of forage type.

SKILLS

Programming

Computer Networking

PROJECTS

Packdiff Go, Git

<https://github.com/duxum/packdiff>

A command-line tool to see changed/added/removed symbols between different versions Go programs.

AWARDS

UCARE Award

University of Nebraska-Lincoln

Received stipend to work on project "Informatics-Guided Approach to Study miRNA Sorting Through Motif Finding".

May 2019

LEADERSHIP EXPERIENCE

CASNR Undergraduate Scholarship Program Professional Development Committee

Lincoln, NE

Vice President

Oct 2018 - Jan 2019

- Organized professional development events for CUPS Scholars.
- Contributed to organizing bi-monthly meetings to track events.