

CHRISTIAN ALAIN DUKUNDE

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EDUCATION

University of London, London, UK Online

Bachelor of Science in Computer Science

April 2022 - Expected June 2025

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

WORK EXPERIENCE

SendText.ai

Backend Developer

Remote

Jan. 2022 - Aug. 2024

- Develop and maintain MongoDB databases and servers to integrate user-facing elements with server-side logic.
- Support integration with external providers' APIs.
- Optimize the performance of modules and coding blocks.
- Work closely with front-end teams and UX/UI designers to analyze requirements and specifications.
- 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 the project "Informatics-Guided Approach to Study miRNA Sorting Through Motif Finding".
- Updated existing lab tools to add functionality. For example, 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 cow feeding patterns on different forage types.
- Presented a poster on cows' preference of forage type.

SKILLS

Programming	Python, Go, TypeScript, SQL, NoSQL
Technologies	Serverless, Docker, Git, React
Bioinformatics	NCBI, Biopython, Bioconductor

PROJECTS

Packdiff [GitHub](#) [↗] *Go, Git*

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

AWARDS

UCARE Award - University of Nebraska-Lincoln [Merit Pages](#) [↗]

May 2019

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

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.