

Albert Yu Sun

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EDUCATION

DUKE UNIVERSITY

BS IN DATA SCIENCE

Expected May 2023 | Durham, NC

GPA: 4.0 / 4.0

DOUGHERTY VALLEY HS

Grad. May 2019 | San Ramon, CA

GPA: 4.63 / 4.0

SKILLS

LANGUAGES

Over 5000 lines:

R • Python

Over 1000 lines:

Java • Command Line

Familiar:

LaTeX • HTML/CSS • C++

LINKS

Github:// [albertyusun](https://github.com/albertyusun)

LinkedIn:// [albertyusun](https://www.linkedin.com/in/albertyusun)

Website:// albertyusun.com

UNDERGRADUATE

Algorithms and Data Structures

Regression Analysis

Introduction to Data Science

Introduction to Computer Science

Harnessing NC Jail Data

EXPERIENCE

NATIONAL ACLU | DATA SCIENCE AND LEGAL INTERN

Expected Aug 2020 - Present | Durham, NC

- Applying new Data Science modeling methods to create ACLU reports on the NC Racial Justice Act.
- 2 out of 150+ applicants chosen to be an intern with ACLU's Capital Punishment Project.

DUKE DATA+ RESEARCH PROGRAM | DATA SCIENCE INTERN

Summer 2020 | Durham, NC

- Developed methods to analyze cultural trends using NLP models (Word Embeddings and Topic Models).
- Check out our **Research Poster** for the Huang Fellows Poster Symposium and Data+ Poster Symposium.

DUKE SCIENCE & SOCIETY | HUANG FELLOW

Jan 2013 - May 2013 | Palo Alto, CA & Ithaca, NY

- Research fellowship focused on the intersection of science, law, and public policy.
- Created the Racial Equity Committee to invite STEM leaders of color and make reforms in Duke Science Curricula to incorporate discussions of race issues in scientific discourse.

DUKE COMPUTER SCIENCE DEPARTMENT | TEACHING ASSISTANT

Aug 2020 - Present | Durham, NC

- Leading a lab of Computer Science 101 students to reinforce Python concepts covered in class.
- Holding office hours each week to help students on assignments and programming tasks.

RESEARCH

DUKE LAW CENTER FOR SCIENCE AND JUSTICE | RESEARCHER

May 2020 - Present | Durham, NC

Advocating for the first statewide jail database in North Carolina to drive effective policies that fight mass incarceration. Working in a Bass Connections Research Team led by Duke Law Professor Brandon Garrett.

DUKE DATAFEST 2020 | CONTESTANT

Mar 2012 - May 2013 | Ithaca, NY

Fit multivariate logistic regression models to research the likelihood of overall releases after COVID-19 in Louisiana parish jails using data from the Vera Institute of Justice. Found significant correlation for predictors like percent Black, private jails, and political profile. Check out our **report**.

AWARDS

2017	National	President's Volunteer Service Award
2018	National	Gold Congressional Volunteer Award
2018	7 th /200	National Parliamentary Debate Invitational, UC Berkeley
2019	National	Tanglewood Festival Clarinetist, Boston University
2020	top 3/240	Vanderbilt Mock Trial Invitational Outstanding Witness