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Luke Bryan

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Global Observatory on Pollution and Health > Chestnut Hill, MA

Researcher and Web Developer

May 2022 — Analyzed Massachusetts town-based data for air pollution health outcomes... Wrote sections of the published paper... Creating a website for the project using Adobe Experience Manager, R Shiny, html, css, and JavaScript...

Web Development

AEM

User-centered design

Photoshop

Online > Asynchronous

Freemote Bootcamp

March 2022 — Began an asynchronous bootcamp to improve JavaScript and strengthen HTML and CSS... doing projects and starting freelancing on Upwork...

Boston College > Chestnut Hill, MA

Education - Mathematics Major

Dec 2021 — B.A. in Mathematics & minor in Global Public Health...

Deans List First Honors

Undergraduate Government COVID-19 Specialist

Full Swing Dance Captain

5 results

1 year

3 results

2018-2021

2020-2021

2020-2021

C-Change > Chan School of Public Health > Harvard University

Intern and R Developer

October 2021 — Used GIS mapping in ArcGIS and R to visualize projected health outcomes in 14 states... interactive Shiny application for presenting data to stakeholders and the public... including lots of logic and data transformation.

R

Data Visualization

Policy Change

Interactive

Acessibility

Homeless Services Bureau > Boston Public Health Commission > Boston, MA

Data Analysis Intern, Policy Associate, and Counselor

Oct 2021 — Performed a series of equity analyses on shelter restriction data using SAS... began tracking isolation and quarantine housing for covid...


Dayton Beverages > Anheuser-Busch Companies LLC > Daytona Beach, FL

Accounting Intern

August 2019 — Rolled out a new online ordering software and created six programs to automate product setup... also organized a tax audit and did pivot table reports...

About

Luke Bryan is a young professional interested in finding the intersections between data science and public health. He has previously traversed this path from an epidemiological point of view, as he studied biology and statistics while working with city and research epidemiologists. Most recently, Luke has started shifting paths towards software engineering. While certainly in the early phases, he is a quick learner and willing to put in the work towards this goal. Wikipedia.




Projects


CleanAirMass: interactive educational website about air pollution in Massachusetts AEM, R Shiny, CSS, Javascript, HTML


TRECH Policy Scenarios: GIS map of air pollution data R Shiny

Mathematics of Voting: determine election winners under different voting systems Python

Interests

running

reading

climbing

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