

Christopher Ton

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EDUCATION

University of California, Davis

Bachelor of Science, Statistics – Concentration: Statistical Data Science

Jun 2020

Davis, CA

COOP Data Analytics Apprenticeship

Coursework: Excel, SQL, Tableau, Salesforce, Google Analytics, Media Planning

Aug 2020 - Present

SKILLS

Programming: R (tidyverse, ggplot), Python (NumPy, Pandas, SciPy, Matplotlib, sci-kit learn), SQL (Presto)

Web Frameworks: R Shiny, Plotly Dash, Flask, HTML/CSS

Other: Tableau, Git, Markdown, Jupyter, Excel (vlookup, pivot), Slides

WORK EXPERIENCE

Guardant Health | Biostatistician/ Data Analyst Intern

Jun 2020 - Present

- Developed an R Shiny dashboard to facilitate queried insights from patient & prescription level data, continuously scaling the complexity weekly to accommodate all 100,00+ patients in database
- Presented prototype to VP, product was adopted for internal use, for medical affairs
- Conducted survival analysis using Cox, Kaplan-Meier estimator and log-rank tests for differences between comparable drugs and patient cohorts with usage durations lasting 125+ months
- Engaged in weekly data reviews for discussion regarding RWE and statistical/experimental design

Bit Project | Project Manager/QA

Apr 2020 – Jul 2020

- Supervised the production and development of data science-related curriculum and projects across 8+ weeks for teams of up to 5+. Topics ranged from intro statistics and python/R to Machine Learning
- Delegated weekly tasks, conducted literature review, shared feedback cross functionally with departments
- Led integration of finalized lesson plans and presentations for nationwide remote access via Slack & GitHub

UC Davis Computational Communication Lab | Undergraduate Research Assistant

Jun 2019 – Sep 2019

- Analyzed over 6 decades of basketball games and identify trends in the evolution of team professionalism and player strategy to aid research with human decision behavior in complex social environments
- Researched data science methodologies to preprocess and manipulate web-scraped data
- Collaborated with lead researcher to identify project goals and deadlines for 4 months of remote work, using Git to maintain project files and proper version control

PROJECTS

COVID-19 Tracker | 1st Place @ HooHacks 2020

- Visualized percentage change, recovery and mortality rates with user-defined bar plots, line plots and heat maps for 170+ countries and 3400+ provinces within a 60-day timeframe; modeled exponential growth

AggieForecasting | HackDavis 2020

- Led a team of 4 students to prepare a dashboard presentation for insights on cost-effective and sustainable energy usage for \$30 mil spent on buildings with ARIMA time series forecasting, accurate up to 4 months

Homelessness Analysis | 3rd Place @ UC Berkeley Datathon for Social Good 2019

- Leveraged predictive analysis such as polynomial regression to optimize the CoC's federal budget allocation of \$86 mil for more than 550,000 homeless individuals across 400+ U.S. counties