Christopher Ton

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EDUCATION

Master of Science, Data Analytics – San Jose State University   Expected 05/2023
Bachelor of Science, Statistics - University of California, Davis | GPA: 3.23   06/2020

TECHNICAL SKILLS

Programming: Python, R, SQL, Swift   **Libraries**: Tidyverse; NumPy, Pandas, SciPy, Matplotlib, scikit-learn
Data Visualization: Tableau, Shiny, Streamlit   **Tools**: Git, Bash, Linux/Unix, Markdown, Excel

WORK EXPERIENCE

Tesla - **Data Annotation Specialist**   10/2020 - Present
- Performed image classification and annotation to assist Autopilot computer vision engineers with training deep neural networks, using labeling interface to collaboratively analyze with leads and junior analysts
- Exceeded annotation evaluation metrics consistently by integrating weekly feedback, making note on edge cases
- Efficiently advanced to QA/mentorship role within 2 months, ensuring quality is met and up to standard

Guardant Health - **Data Analyst**   06/2020 – 09/2020
- Developed an **R Shiny** dashboard to facilitate visualization & **SQL** queried insights from patient & prescription level data, continuously scaling the complexity weekly to accommodate 100,000+ patients in the database
- Presented prototype to VP, product was adopted for internal use & 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 and discussion regarding RWE and statistical analysis plans

UC Davis
- **Project Manager/QA**, *Bit Project*   04/2020 – 07/2020
  - Supervised the production and development of **data science** curriculum and projects across 8+ weeks for teams of up to 5+, led discussions topic from **statistics** and python/R to **Machine Learning,** facilitated tasks, literature review, and feedback cross-functionally with **GitHub**
- **Undergraduate Research Assistant,** *Prof. Seth Frey, Computational Communication Lab*   06/2019 – 09/2019
  - Performed bootstrapped distribution visualizations and data manipulation using **Pandas** and **Matplotlib** to uncover insights regarding the dynamic social environment of a basketball game

PROJECTS & AWARDS: [Devpost](), [GitHub]()

- **StockViz** – web application using **Python** and **Streamlit** to fetch stock data, visualize historical closing price or volume patterns, and perform moving average calculations taken across 6 previous months

- **COVID-19 Tracker -** award winning growth tracker **R Shiny** dashboard that visualized percentage change, recovery and mortality rates with user-defined bar plots, line plots and heat maps for 170+ countries (3400+ provinces) within a 60-day timeframe. Efficiently used **RapidAPI** and JHU CSSE's GitHub to retrieve data

- **AggieForecasting** - Led a team of 4 students to develop an **R** dashboard for insights on cost-effective and sustainable energy usage ($30 mil) spent on buildings with **ARIMA** time series forecasting up to 4 months

- **Homelessness Analysis -** Leveraged predictive analysis such as polynomial regression with **Python** and **IBM Z** to optimize the CoC's federal budget allocation ($86 mil) for 550,000+ homeless individuals across 400+ counties

- Data Science Hackathons: 1ST Place UC Davis Winery Datafest (2019), 3rd Place UC Berkeley Datathon for Social Good (2019), 2nd Place SacHacks Sacramento Kings Track (2020), 1st Place University of Virginia HooHacks (2020)