

# Chuching (Cassy) Ho

cassyho@gmail.com | (949)506-6778 | Irvine, CA | [in Chuching Ho](#) | [CassyHo](#) | Open to Relocate

*Data-driven Business Analyst and Statistician with 3+ years of experience delivering insights through dashboarding, SQL/Python automation, and statistical modeling. Specialized in eCommerce analytics, recommender systems, customer segmentation, and data visualization.*

## SKILLS

- **Statistical analysis:** Regression analysis, Statistical modeling, Probability theory, A/B testing, Machine Learning
- **Programming:** Java, Python, SQL, R, HTML, CSS, JavaScript, node.js, C++
- **Data:** SAS, Tableau, MongoDB, Neo4j, MySQL
- **AWS:** EC2, Lambda, API Gateway, DynamoDB, Lex v2

## EXPERIENCE

### University of California Irvine

Statistician / Research Data Analyst 2

Irvine CA

Sep. 2019 - Sep. 2022

- **Identified weakening association between neuropathological changes and age**, by conducting multivariate logistic regressions with interaction terms, using statistical analysis software (e.g., R) to analyze data from centenarians and nonagenarians. ([publication](#))
- **Found 50% lower odds of arteriolosclerosis**, by employing multiple logistic regression models and adjusting for covariates, using machine learning techniques and statistical analysis to investigate the association between anti-hypertensive medication use and dementia-causing neuropathological changes. ([publication](#))
- **Discovered novel role of autoimmunity in LATE neuropathology**, by compiling and analyzing comprehensive clinical, neuropsychological, and neuropathological data, using data analysis and statistical modeling to explore associations between health conditions and LATE/AD neuropathological changes, which contributed to a newly funded grant. ([publication](#))

### Yamibuy (eCommerce)

Business Analyst Intern

Brea, CA

Aug. 2018 - Sep. 2018

- **Lifted 15% in recommendation performance**, by building a SKU-level product recommender using probability theory, using A/B testing and Python to optimize accuracy and reduce stockouts.
- **Reduced marketing waste by 20%**, by customer segmentation using RFM analysis on 1-year transaction data.

## PROJECTS

### Covid-19 Inmate Cases vs Deaths in every State ([Tableau](#))

- Analyze the correlation between COVID-19 cases and deaths across every state

### Data Visualization Dashboard ([Demo](#))([Code](#))

- Built a multi-source dashboard data dashboard using Python Dash framework and HTML and CSS and integrated structured/unstructured data for academic insights. (team of 2 students)
- Implemented a data dashboard for Alzheimer's Disease information using D3.js.

### Time Series Analysis of Sales Data Prediction ([Code](#))

- Implemented multivariate autoregressive model to capture the future seasonality trend of three-dimensional time series data: sales of retail, inventory, and motor vehicle from the U.S. Census Bureau with each month a data point for 10 years.

## EDUCATION

### Westcliff University

Master of Science in Information Technology

Sep. 2024 - Dec. 2026

### University of Illinois, Urbana-Champaign

Master of Computer Science | GPA: 4.00

May. 2023 - Dec. 2024

### University of California, Irvine

Master of Science in Statistics | GPA: 3.48

Sep. 2017 - Sep. 2019