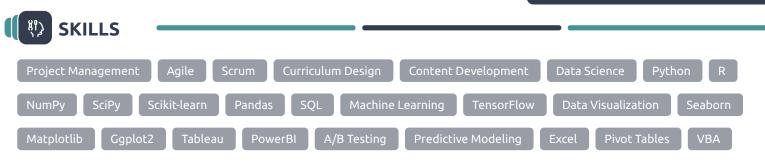# Chris Chan

Sr. Manager, Content Development in Mathematics, Statistics, and Data Science

I'm a seasoned data science manager in the education technology space. With over 6 years of increasing leadership responsibilities, I seek to utilize my experience to solve complex business problems using data-driven processes and manage cross-disciplinary teams and cross-functional projects.

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📱 (415) 595-2890

📍 Austin, United States

in linkedin.com/in/cjschan

○ github.com/cjschan

🛠 SKILLS

`Project Management` `Agile` `Scrum` `Curriculum Design` `Content Development` `Data Science` `Python` `R`

`NumPy` `SciPy` `Scikit-learn` `Pandas` `SQL` `Machine Learning` `TensorFlow` `Data Visualization` `Seaborn`

`Matplotlib` `Ggplot2` `Tableau` `PowerBI` `A/B Testing` `Predictive Modeling` `Excel` `Pivot Tables` `VBA`

💼 WORK EXPERIENCE

Sr. Manager, Content Development for Mathematics, Statistics, and Data Science
zyBooks: A Wiley Brand

11/2020 - Present

Achievements/Tasks

- Lead print and digital publishing for the math, statistics, and data science disciplines accounting for over 20% of total revenue and 39% YoY growth for the non-CS zyBooks business group.
- Manage the 3-year content roadmap and budget, set KPIs, and communicate results to the executive leadership team.
- Work cross-functionally with the platform, marketing, and sales teams to launch new products and integrate tools like Jupyter Notebooks into the zyBooks platform.
- Create tools for a new statistics courseware that uses simulation-based pedagogy.
- Author an interactive textbook for a survey course in Data Science that covers data preprocessing using SQL and Python, supervised and unsupervised learning, regression analysis, predictive modeling, neural networks, and ensemble methods.

Content Lead, Mathematics
zyBooks: A Wiley Brand

08/2018 - 11/2020   *Campbell, California*

Achievements/Tasks

- Increased the head count of the mathematics team to 8 subject matter experts from an initial group of 2 hires.
- Established work deadlines and coordinate completion of activities using Agile methodology.
- Worked with internal and external stakeholders to deliver custom created content for partner institutions.
- Communicated with vendors to evaluate technology solutions for various products and titles.
- Increased the mathematics catalog from 1 title to 14 titles.

WORK EXPERIENCE

Content Developer, Mathematics
zyBooks: A Wiley Brand
05/2016 - 08/2020   *Campbell, California*
Achievements/Tasks
- Created learning and assessment items for mathematics titles.
- Created over 100 randomized programming activities and labs in Python.
- Responded to student and instructor feedback.
- Created curriculum and individual course mappings.
- Performed instructor demos.
- Hired an initial group of 2 subject matter experts and supervised 5 external authors.

EDUCATION

MA in Mathematics
San Francisco State University
01/2009 - 05/2011   *San Francisco, California*

TEACHING EXPERIENCE

Introduction to Statistics
West Valley College
08/2012 - 05/2014
Tasks/Achievements
- Used a simulation-based approach to teach statistics using web-based apps and packages.
- Supplemented lessons using statistical packages in Python and R, spreadsheets activities, and software such as StatCrunch.

PUBLICATIONS

Book
Data Science Foundations
Author(s)
Chan, C., Rissler, M., Schwab-McCoy, A., et al.
2022
zyBooks: A Wiley Brand

Book
Linear Algebra
Author(s)
Chan, C., Bass, A., et al
2017
zyBooks: A Wiley Brand

Book
Applied Statistics with Data Analytics
Author(s)
Sturdivant, R., Chan, C., et al
2016
zyBooks: A Wiley Brand

Book
Applied Regression Analysis
Author(s)
Chan, C., Sturdivant, R., et al
2016
zyBooks: A Wiley Brand