

BILL CHAMBERS

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Combine my technical ability, critical thinking, and communication skills to improve products, companies, and processes with data.

EDUCATION

UC BERKELEY SCHOOL OF INFORMATION

Master of Information Management and Systems, Specialization: Data Science

Berkeley, CA
September 2014 – May 2016

COLORADO COLLEGE

Bachelor of Arts, History

Colorado Springs, CO
May 2011

EXPERIENCE

Autodesk

Data Scientist Intern

San Francisco, CA
Summer 2015

- Performed large-scale data analysis using Hadoop, AWS, and Apache Hive
- Conducted exploratory data analysis and prototyped predictive models (Logistic Regression, GBM) in R and Python
- Created and deployed a classification system to de-duplicate and clean job titles for 70+ million contacts

UC Berkeley School of Information

Graduate Student Researcher (ICTD Research)

Berkeley, CA
Summer 2015 to Current

- Led Apache Spark (MLlib, GraphX) software development using Scala on a multi-node cluster
- Wrote and maintained Scala code using TDD to analyze 5+ terabyte datasets

Graduate Student Instructor (Data Science Masters Program)

Spring 2015 to Current

- Taught Python data science tooling including pandas, NumPy, and IPython to incoming masters students

Procore Technologies

Business Analyst

Santa Barbara, CA
Summer 2012 to Fall 2014

- Analyzed business processes and customers using Python (pandas data analysis library), R, and A/B testing
- Designed and implemented ETL processes to clean data and ensure efficient flow of customer, sales, and marketing data
- Increased lead volume 20+% and average deal size per month by 5+% through data analysis and automation

Business Development (Latin America)

Spring 2013 to Spring 2014

- Validated product market fit in Latin America and established the Latin American Department at Procore
- Closed more than \$150,000 in new business in Spanish including the largest skyscraper in Mexico

ACHIEVEMENTS

Founder and Author - SparkTutorials.net

- Authored articles about large-scale data science techniques with Apache Spark using Scala and Python

Creator - Data Analysis in Python with pandas on Udemy

[udemy.com/data-analysis-in-python-with-pandas](https://www.udemy.com/data-analysis-in-python-with-pandas)

- Created a video course to teach data analysis in python with the pandas library
- >1800 students and 5/5 stars median rating

Open Source Contributor - California Civic Data Coalition

github.com/california-civic-data-coalition

- Led the final push to V0.1 release, leveraging Python, Django, MySQL, PostgreSQL

Open Source Contributor - Plotly Notebooks

plot.ly/ipython-notebooks/gallery

- Contributed IPython Notebooks on topics including AWS Redshift and Apache Spark

Technical Reviewer - Learning pandas (PACKT Publishing)

[packtpub.com/application-development/learning-pandas](https://www.packtpub.com/application-development/learning-pandas)

- Edited a book on the subject of Python's data analysis ecosystem, specifically the pandas data analysis library

President - Information Management Student Association

SKILLS

- **Languages & Technologies:** Python [pandas, scikit-learn, numpy, pyspark], R, Scala, SQL [Hive, PostgreSQL, MySQL], Linux [bash, command line], Git [GitHub], AWS [EMR, S3, EC2], Spark [MLlib, GraphX, DataFrames], Data Analysis, Machine Learning, Statistical Modeling
- **Spoken & Written Languages:** Fluent in English and Spanish