DATA SCIENCE BOOTCAMP

Applied Data Science and Big Data 14 weeks | Three intakes: Jan, May, Sep

CAREER FACTS

66

The Sexiest

21st Century -

Data Scientist

- Harvard Business Review -

Job of the

Data Scientist is the #1 best job rated by Glassdoor for the fourth year in a row

Its consistency in competitive salary, numerous open jobs and high job satisfaction over the past four years indicate this will be a desirable job for years to come.

Data scientist roles open at both tech and non-tech companies



DATA SCIENTIST SALARIES IN CANADA

\$78,046 + \$7,235 + \$2,035 Median Salary

Bonus





Total median income

ABOUT THE PROGRAM

OVERVIEW

WeCloudData's Data Science Bootcamp is a one-stop service program for you to acquire the essential data science skills, gain professional experience through real client projects and prepare for data careers.

The program is intensive, rigorous, and practical by design. Led by experienced instructors, you will learn the cutting-edge technologies including Python, machine learning, deep learning, big data, and cloud computing through a unique hands-on pedagogy. The program is not just about learning, it helps you break into data industry with our extensive career services – portfolio building, resume revision, mock interviews, networking events, and 1-on-1 career coaching throughout the program that leads to your success.

WHO IS THIS FOR?



University/College Graduate

who are looking for the first job

Your college degree does not give you enough experiences and skills to get a data job



Career Switchers who are looking for a smooth transition

We have proven success in helping professionals with unrelated background transition into data science careers



Job Seekers

who want a systematic approach to polish DS skills and project portfolios

Taken many courses but still struggling to get an interview? Let us help you focus on the most important skills to build



Masters/ PhDs who lack industry experience

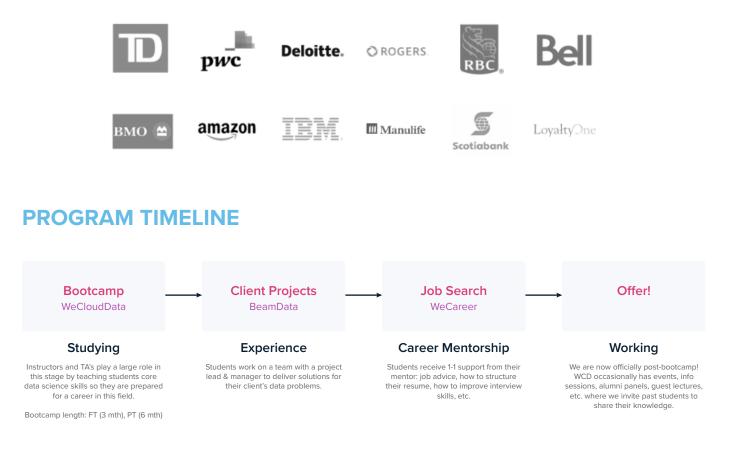
Let us help you gain real-world experience through our trainee program and teach you the necessary business/ communications skills to succeed in career transition

PLACEMENT RATE

100% of our alumni landed a data science relevant job within 6 months after graduation

University of Toronto: 73.6%, Ryerson University: 86.7% (Bachelor's degree)

Companies Our Students Work For







I learnt a lot at WeCloudData. Today I can say that I got a job as a senior data consultant for a major global bank not just because of my background , but also because of what I learnt at WeCloudData.

Sameer Sharma Data Science Consultant @ Bank of America

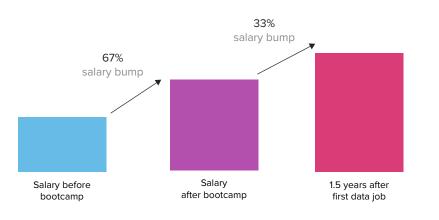
PROMOTIONS/SALARY INCREASES

(1.5 years after starting 1st job)

58% got a salary increase **18%** avarage raise



SALARY INCREASE



Students in our experienced category (those who have general work experience before joining our Data Science Bootcamp) see a 67% increase in salary after landing their first data scientist job. In 1.5 years after starting their first data jobs, they also receive an average of 33% salary increase. This is very encouraging news for career switchers.

NUMBER OF INTERVIEWS



PROGRAM DETAILS

14 + 1 WEEKS additional orientation week

5 LECTURES a week (9:30am-12:30pm EST)

10+ GUEST SPEAKERS

to make connection with

2 BUSINESS PROJECTS

from a real client

576 HOURS 37.5 hours per week

TA HOURS 1:30pm-4:30pm & 7:00pm-8:00pm

PRE-BOOTCAMP SERVICE to get you ready to learn

5 PROJECTS

3 academic + 2 portfolio projects



I landed a job in a bank after the bootcamp without previous data related work experience. All people in here are trying to provide the best learning environment and putting tremendous efforts to help students like me reach potential and goals.



The coursework at WeCloudData was engaging. The course was heavily weighted towards the practical application and developing real work experience. The full-time bootcamp requires a serious time-commitment within and outside of classroom hours but I always felt supported through the process.

Bruce Petrie

PROGRAM DETAILS



PRE-BOOTCAMP SERVICE

One-on-one meeting with instructors to design a personalized learning path that fits your goal and background

Over 30 hours of self-learning materials, labs, and exercises

to get you familiar with fundamental data knowledge and skills including SQL and Python program, Machine Learning with labs and projects

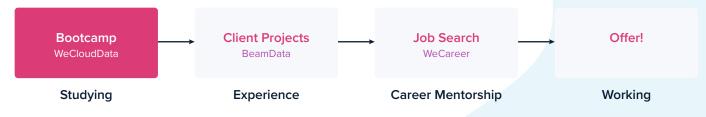




Self-paced learning guided and powered by our unique learning management system

where you can watch lectures, work on your codes, test your progress with live quizzes, track your learning journey, and communicate with instructors and TA's.





During the bootcamp, you will get:

Full-time, accelerated learning experience with tested and most efficient curriculum

Instructor-led live lectures cover highly-demanded data skills, knowledge, algorithm and techniques





Labs, projects and quizzes that were designed to solve real-world business problems in various industries

Code review for your assignments, projects and quizzes according to industrial standards with individualized feedback

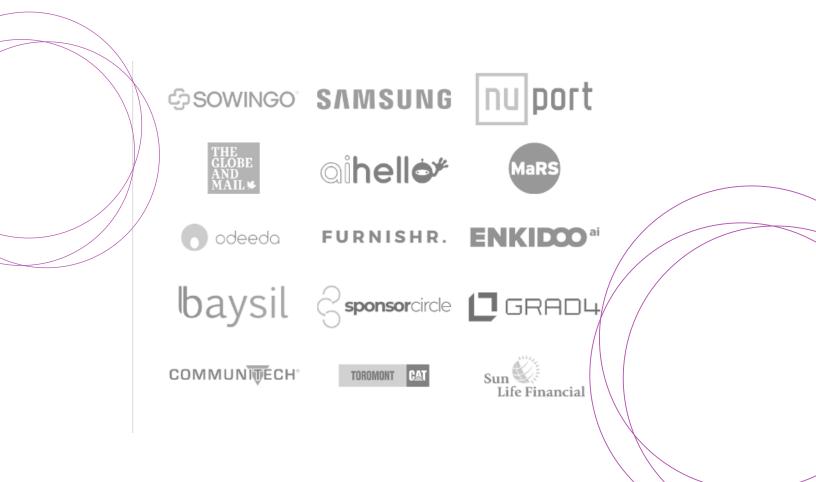
REAL CLIENT PROJECT

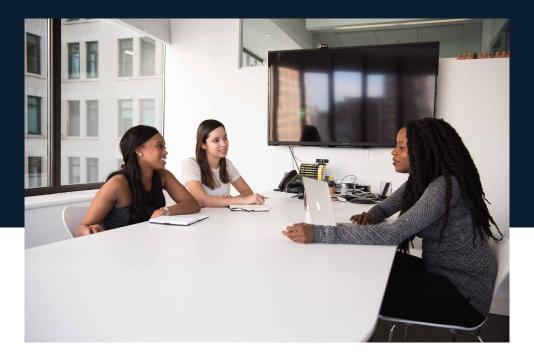
Bootcamp WeCloudData Client Projects BeamData Job Search WeCareer **Offer!**

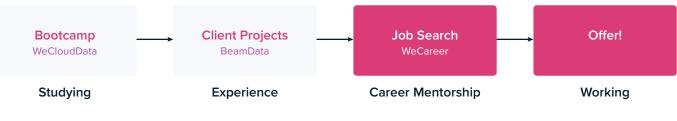
You can only gain soft skills from real work experience, which play no lesser role than hard skills in a successful data scientist career, for example translating business problems into analytics questions, reporting, project management, time management, communicating analytics results to non-tech colleagues and shareholders. Our real client projects allow you to work with a real client directly as a data science consultant. At the beginning of the bootcamp, you will be briefed by a real client with an issue they are looking to solve. You will be led by project manager to leverage the skills you learn though the bootcamp, you will help the clients solve the problem, and present to them.

PAST REAL CLIENTS

Work with real companies to close your experience gap







CAREER SERVICES

You will receive dedicated support from career serves throughout the program:

- One-on-one mentorship to set your career goal, assist your job search, and track your progress
- Building a resume and professional data portfolio to demonstrate your skills and robust professional experience (Portfolio samples)
- Professional communication coaching to prepare for your behavioral interviews (Mark Caven)

• One-on-one mock interviews on take home assignments, whiteboarding and technical challenges to set you apart in technical interviews. • Building up your industry network through guest seminars, hiring panel discussions, hiring partner demo workshop (CIBC, Tim Hortons, Loyalty One, Bell Canada)

- Professional profile pictures shooting by commercial photographer, and polish your online professional brand with blogs and LinkedIn
- Alumni referral network, data science community



SYLLABUS

WEEK 0	WEEK 1
Orientation	SQL
 Meet your class Introduction to Data Science Communications Training Data Science Use Case Mini-Project (Ice-breaker) 	 [SQL] Relational Database Concepts [SQL] Aggregation and Subqueries [SQL] Join and Merge [SQL] Window Function [SQL] Stored Procedures [SQL] Quiz #1
WEEK 2	WEEK 3
Python Programming	Python for Data Science – Data Wrangling
 [Python] Basics [Python] Data Types [Python] Strings and Regular Expression [Python] Datetime and Argparse [Python] Working with Databases [Python] Functions and Modules [Python] Web/Data APIs [Python] Web Scraping [Python] Web Scraping Project 	 [Data Wrangling] Numpy Introduction [Data Wrangling] Pandas Introduction [Data Wrangling] Pandas Advanced [Data Wrangling] Data Visualization with Python [Data Wrangling] Python Quiz
WEEK 4	WEEK 5
Mathematics for Machine Learning	Machine Learning: Classification Algorithms
 [Math] Linear Algebra and Calculus [Math] Statistics [ML] Linear Regression [ML] Regularization Web Scraping Project Presentation 	 [ML] KNN and Decision Boundaries [ML] Machine Learning Process [ML] Support Vector Machine [ML] Logistic Regression [ML] Cross-Validation and Hyperparameter Tuning [ML] Decision Tress

WEEK 6 Midterm Examination

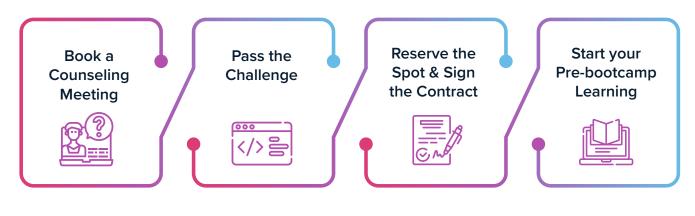
- Midterm Exam
- [ML] Quiz #1
- Softskills: Time Management, Project Management, Communications
- [ML] Quiz #1 Presentation

WEEK 7 Machine Learning: Classification & Advanced Topics	WEEK 8 Machine Learning: Unsupervised Learning, NLP, and Recommender
 [ML] Ensemble – Bagging, Boosting, Random Forest [ML] Ensemble – XGBoost [ML] Imbalanced Dataset [ML] Custom Transformers [ML] Feature Engineering 	 [ML] NLP Introduction [ML] NLP Text Processing Basics [ML] NLP Ngram Modeling [ML] NLP Topic Modeling and Word2Vec [ML] Model Interpretation [ML] Portfolio Project Kickoff
WEEK 9 Machine Learning Portfolio Project Week	WEEK 10 Deep Learning
 [ML] K-Means Clustering [ML] Dimension Reduction and PCA [ML] Portfolio Project Work Week [ML] Portfolio Project Presentation 	 [DL] Introduction to Neural Networks [DL] TensorFlow/Keras API [DL] Image Recognition with CNN [DL] Introduction to Recurrent Neural Network
WEEK 11 Big Data: Amazon Web Services (AWS) / Data Lake	WEEK 12 Big Data: Apache Spark
 [BD] Linux 101 [BD] Docker 101 [BD] AWS – EC2, S3, Redshift [BD] Hadoop, HDFS, MapReduce [BD] Apache Hive [BD] Advanced Hive + Preste 	 [BD] Spark – RDD [BD] Spark – DataFrame [BD] Spark – Internals [BD] Spark – Machine Learning [BD] Spark – ML Doployment

- [BD] Advanced Hive + Presto
- [BD] AWS EMR

- [BD] Spark ML Deployment
- WEEK 13 Big Data: Portfolio Project Week and Final Examination
- [BD] Realtime Kafka and Kinesis
- [BD] Spark Streaming
- Interview Practice SQL Quiz
- [Career] Resume and Interview Workshops
- [Career] Career Counselling

ADMISSION PROCESS



Our program advisor will have a 1-on-1 meeting with you to see if the program is a good fit for you. There is no application fee. It takes about 30 minutes There will be a technical test and an interview. Applicants spend up to 2 hours on the challenge. Our admission officer will work with you directly to help you fill out a contract, pay \$500 deposit and assist you to apply any kind of grant and finance options. Starting ahead will gain you more experience and competence. Research shows that preview and preparation account for 73.7% success in academic achievement of university students.

TUITION, GRANTS AND FINANCE OPTIONS

\$15,400

As an Ontario registered private career college, you can apply for student line of credit from BMO with lower interest rate.

SCHOLARSHIP

WeCloudData is offering student scholarships. Please contact our advisor for more information.

GRANT

With Ontario Second Career grant you may be eligible for up to \$28,000 for costs including: tuition, books, manuals, transportation, basic living allowance, child care.

CONTACT US

Contact our program advisor, Amir, for more information **amir.asadian@we** clouddata.com

FAQ

Want to know more?

Schedule a call with our program advisor or email Amir, who will answer every question you have.

amir.asadian@weclouddata.com (647) 588 - 4206

Contact Now

- 1. Will I get a certificate after graduation? Yes! WeCloudData is registered as a private career college under Ontario Ministry of Colleges and Universities with the operating name of "Toronto Institute of Data Science and Technology". You will receive a diploma degree after completing the bootcamp.
- 2. Can I work at the same time?

We don't suggest you to do so. The data science immersive bootcamp is a very intensive program to gain all the required skills of data science. You will have to spend evenings and weekends working on your labs, assignments, quizzes, and client projects to gain enough competence that even a master's program cannot offer. Even though it might be stressful, the reward is guaranteed.

3. How does this course relate to WeCloudData's other data programs?

The data science bootcamp provides a one-stop solution for students who are looking for career switching. If you cannot quit your current jobs, we also offer a part-time data science program taught by industry experts with tons of projects. All tuition for part-time data science courses can be deducted from the costs of the bootcamp if you want to switch to bootcamp later.

4. Am I too experienced?

No. We had senior level professionals worked with us to exceed in their career by gaining high-demand data and AI skills. They were able to fill in their skill gaps and combine the tech insights and skills with their decent experience.

5. I have no work experience at all how can I find a data job?

43.64% of our previous students didn't have any work experience. This is where real client project comes to help. This project not only helps you on honing your soft and hard skills, but also gain you more professional experience that employers value the most.