

This is to acknowledge that

#### Leonid Shpaner

has completed the certificate program entitled

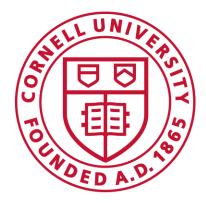
#### Applied Machine Cearning and AI

This Eleventh Day of July, 2024 through eCornell.

J. Gregory Morriset Cack and Rilla Neafsey Dean and Vice Provost

Cornell Tech

Cornell University



This is to acknowledge that

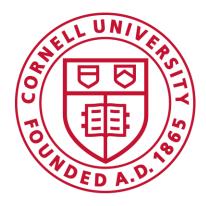
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#### Natural Canguage Processing With Python

This Seventh Day of March, 2024 through eCornell.

Kavita Bala, Dean
Cornell Ann S. Bowers College of Computing and Information Science
Cornell University



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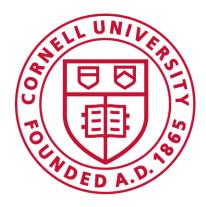
#### Leonid Shpaner

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Data Management in SQL

This Twenty-Eighth Day of February, 2023 through eCornell.

Mark W. Nelson, Anne and Elmer Lindseth Dean Samuel Curtis Johnson Graduate School of Management Cornell University



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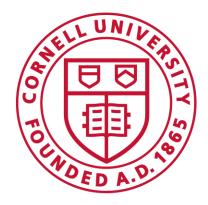
### Leonid Shpaner

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Data Science

This Second Day of January, 2023 through eCornell.

Lynden A. Archer, Joseph Silbert Dean College of Engineering Cornell University



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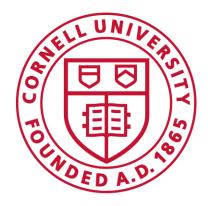
### Leonid Shpaner

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#### Data Science with SQL and Tahleau

This Seventeenth Day of December, 2020 through eCornell.

Richard Knepper, Director Center for Advanced Computing Cornell University



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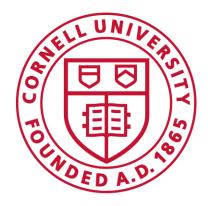
### Leonid Shpaner

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Python for Data Science

This First Day of December, 2020 through eCornell.

Richard Knepper, Director Center for Advanced Computing Cornell University



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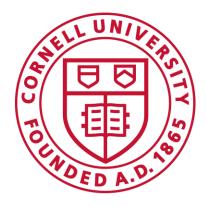
### Leonid Shpaner

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#### Data Visualization in Tahleau

This Twenty-Eighth Day of May, 2020 through eCornell.

Richard Knepper, Director Center for Advanced Computing Cornell University



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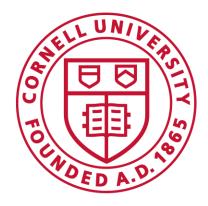
### Leonid Shpaner

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Data Analytics in K

This Twenty-Second Day of April, 2020 through eCornell.

Andrew Karolyi, Charles Field Knight Dean SC Johnson College of Business Cornell University



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### Leonid Shpaner

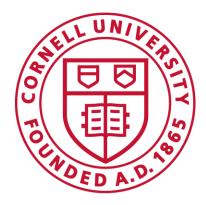
has completed the certificate program entitled

#### Software Development in Python

This Twenty-Second Day of March, 2020 through eCornell.

KBM

Kavita Bala, Dean
Cornell Ann S. Bowers College of Computing and Information Science
Cornell University



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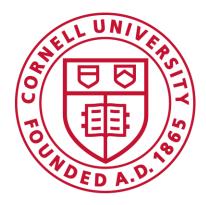
**Blockchain for Business** 

This First Day of May, 2019 through eCornell.

J. Gregory Morriset Cack and Rilla Neafsey Dean and Vice Provost

Cornell Tech

Cornell University



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### Leonid Shpaner

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#### Data Analytics

This Seventh Day of September, 2018 through eCornell.

Andrew Karolyi, Charles Field Knight Dean SC Johnson College of Business Cornell University