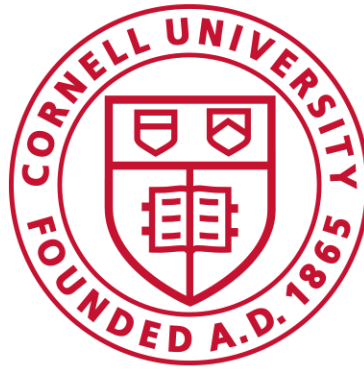


# Cornell University



This is to acknowledge that

**Leonid Shpaner**

has completed the certificate program entitled

**Natural Language Processing With Python**

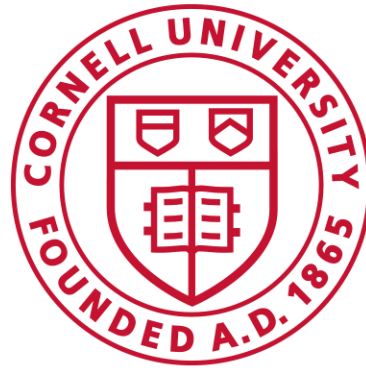
This Seventh Day of March, 2024  
through eCornell.

A handwritten signature in black ink, appearing to read "KB" followed by a flourish.

---

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

# Cornell University



This is to acknowledge that

**Leonid Shpaner**

has completed the certificate program entitled

**Data Management in SQL**

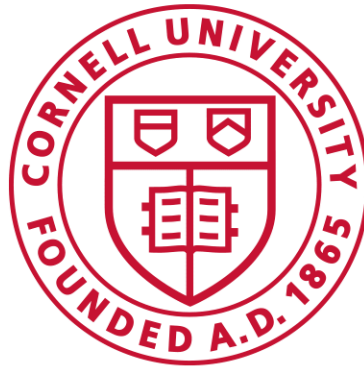
This Twenty-Eighth Day of February, 2023  
through eCornell.

*Mark W. Nelson*

---

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

# Cornell University



This is to acknowledge that

**Leonid Shpaner**

has completed the certificate program entitled

**Data Science**

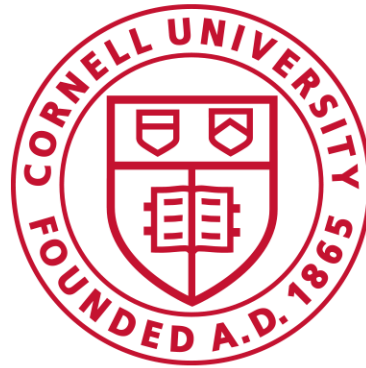
This Second Day of January, 2023  
through eCornell.

A handwritten signature in blue ink, appearing to read "Lynden A. Archer".

---

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

# Cornell University



This is to acknowledge that

**Leonid Shpaner**

has completed the certificate program entitled

**Data Science with SQL and Tableau**

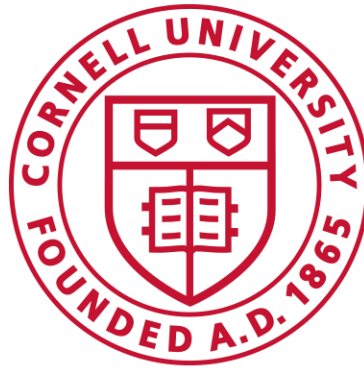
This Seventeenth Day of December, 2020  
through eCornell.

A handwritten signature in black ink, reading "R. Knepper".

---

Richard Knepper, Director  
Center for Advanced Computing  
Cornell University

# Cornell University



This is to acknowledge that

**Leonid Shpaner**

has completed the certificate program entitled

**Python for Data Science**

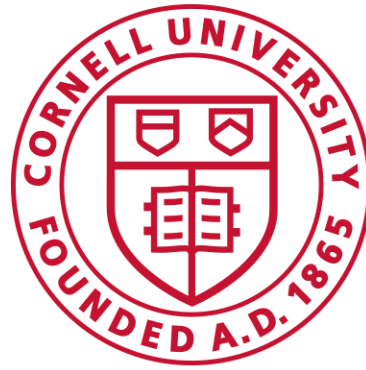
This First Day of December, 2020  
through eCornell.

A handwritten signature in black ink, reading "R. Knepper".

---

Richard Knepper, Director  
Center for Advanced Computing  
Cornell University

# Cornell University



This is to acknowledge that

**Leonid Shpaner**

has completed the certificate program entitled

**Data Visualization in Tableau**

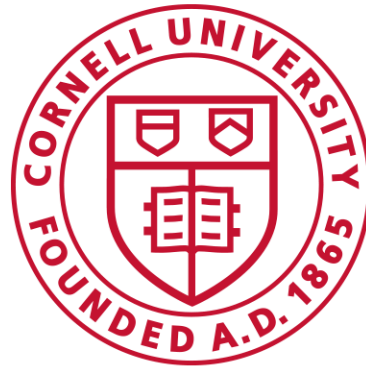
This Twenty-Eighth Day of May, 2020  
through eCornell.

A handwritten signature in black ink, reading "R. Knepper".

---

Richard Knepper, Director  
Center for Advanced Computing  
Cornell University

# Cornell University



This is to acknowledge that

**Leonid Shpaner**

has completed the certificate program entitled

**Data Analytics in R**

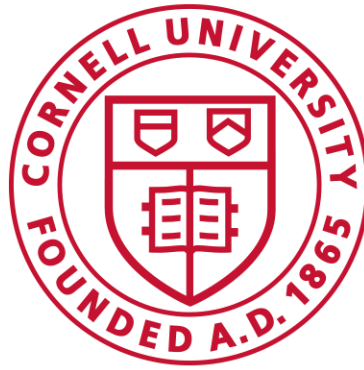
This Twenty-Second Day of April, 2020  
through eCornell.

A handwritten signature in black ink, reading "A. Karolyi".

---

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

# Cornell University



This is to acknowledge that

**Leonid Shpaner**

has completed the certificate program entitled

**Software Development in Python**

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

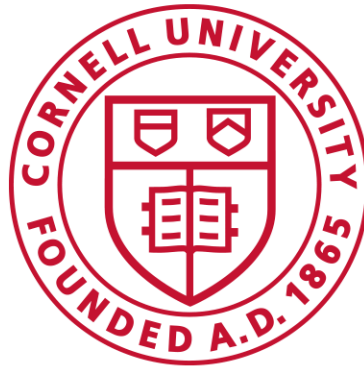
A handwritten signature in black ink, appearing to read "KB" followed by a flourish.

---

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



# Cornell University



This is to acknowledge that

**Leonid Shpaner**

has completed the certificate program entitled

**Blockchain for Business**

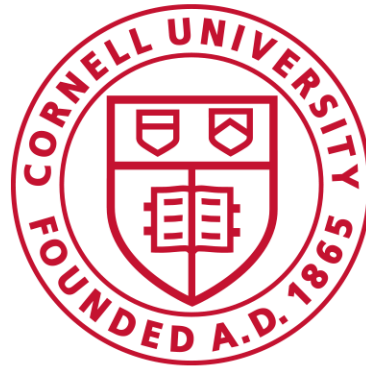
This First Day of May, 2019  
through eCornell.

A handwritten signature in black ink, reading "J. Gregory Morrisett".

---

J. Gregory Morrisett, Jack and Rilla Neafsey Dean and Vice Provost  
Cornell Tech  
Cornell University

# Cornell University



This is to acknowledge that

**Leonid Shpaner**

has completed the certificate program entitled

**Data Analytics**

This Seventh Day of September, 2018  
through eCornell.

A handwritten signature in cursive script, reading "A. Karolyi".

---

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