

# Big Data and the Future of Labor Market Statistics

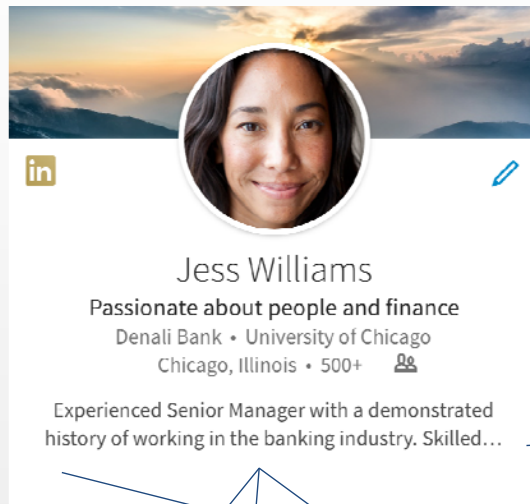


Jacqueline Barrett  
Staff Economic Researcher, LinkedIn


LINKEDIN'S VISION

Create economic opportunity  
for every member of the global workforce


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in



Jess Williams

Passionate about people and finance  
Denali Bank • University of Chicago  
Chicago, Illinois • 500+ 

Experienced Senior Manager with a demonstrated history of working in the banking industry. Skilled...

This block represents a LinkedIn profile card for Jess Williams. It includes a header image, a profile picture, the name 'Jess Williams', a headline 'Passionate about people and finance', current and past employers 'Denali Bank • University of Chicago', location 'Chicago, Illinois', and a follower count '500+'. A brief description of her experience as a Senior Manager in the banking industry is also present.



## THE ECONOMIC GRAPH



**575M**  
Members



**26M**  
Companies



**20M**  
Jobs



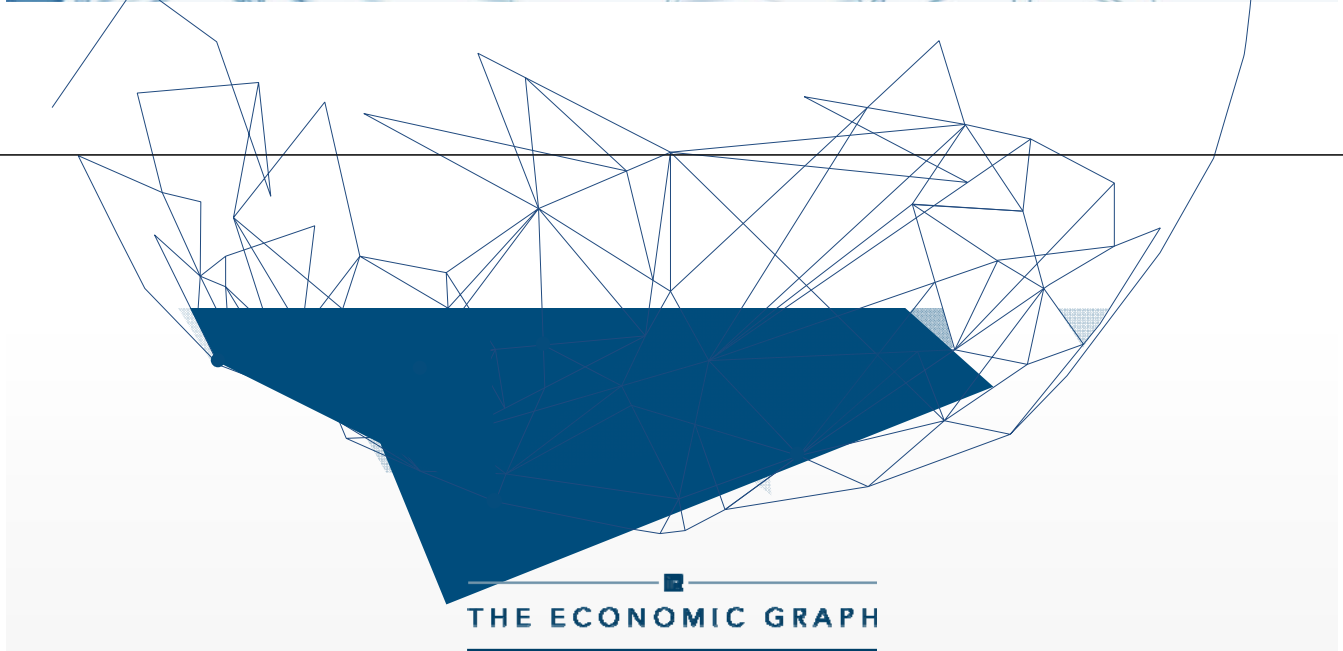
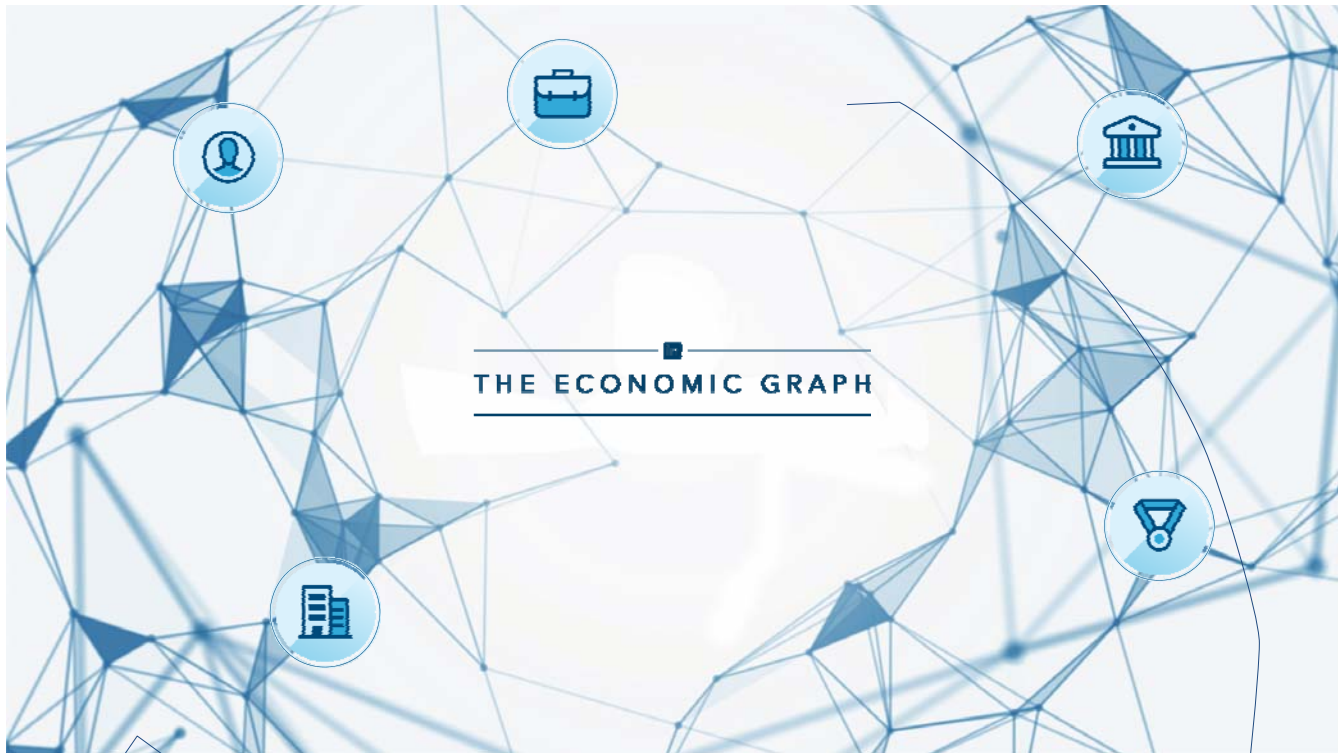
**50K**  
Skills



**60K**  
Schools



**242B**  
Updates



**575M**  
Members



**26M**  
Companies



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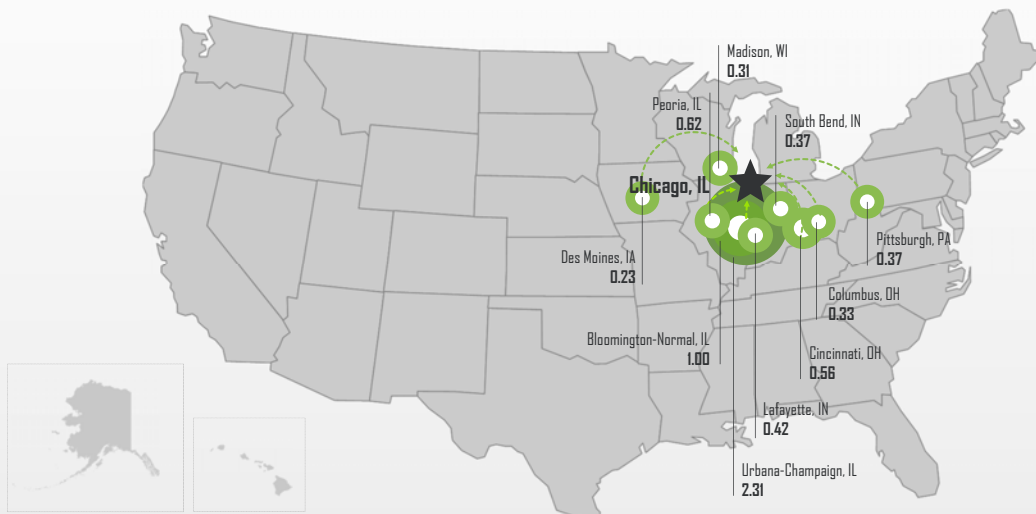
**242B**  
Updates

September 2018

## Hiring on LinkedIn in the United Kingdom



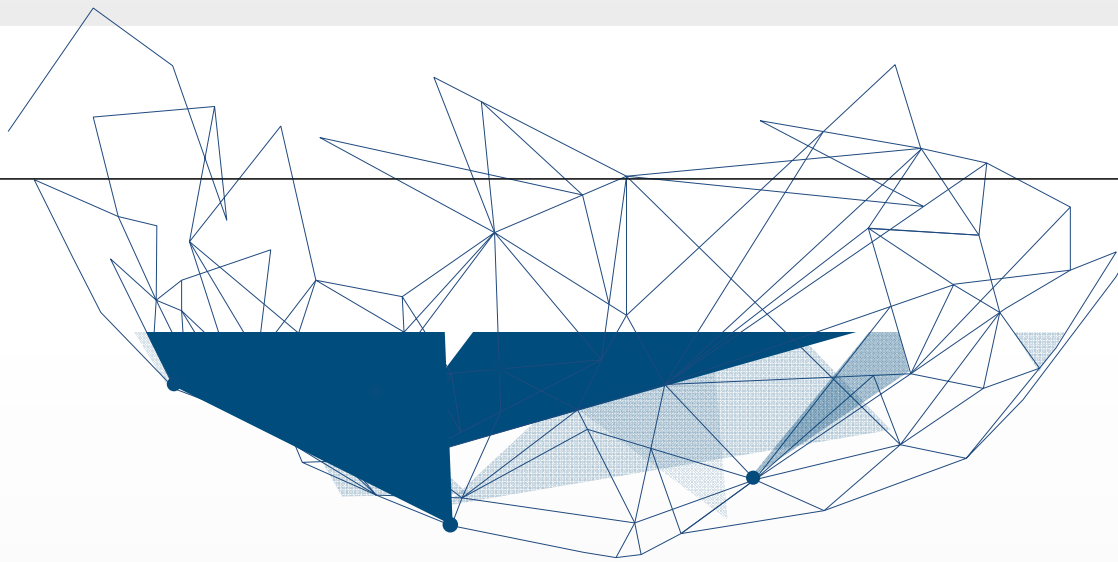
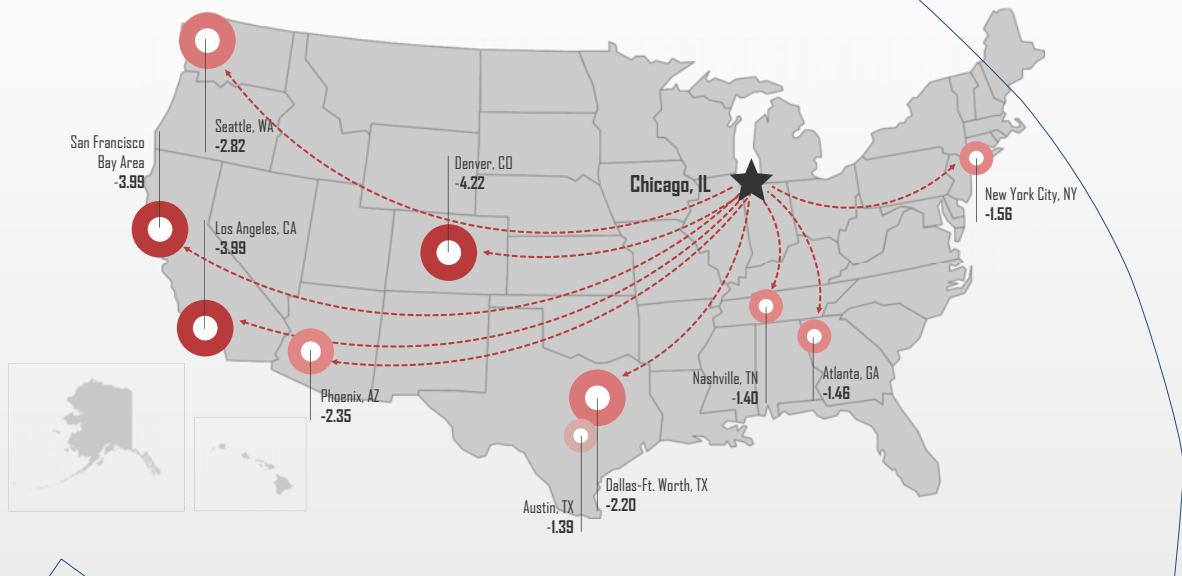
## SEPTMBER 2018 (RATE PER 10,000 MEMBERS) Cities that Chicago Has Gained the Most Workers From





SEPTEMBER 2018 (RATE PER 10,000 MEMBERS)

## Cities that Chicago Has Lost the Most Workers To



THE ECONOMIC GRAPH



50K  
Skills

# skills gap

(skilz + gaps) noun

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Gap between supply and demand for a **specific skill**, in a **specific local labor market**, at a **specific point in time**.

skills gap s

# Skills Gaps

## SKILL

## REGION

## MONTHS

Printing	Greater Chicago Area	April
Public safety	Washington D.C. Metro Area	May
Translation	Dallas/Fort Worth Area	June
Telecommunications	Greater Boston Area	July
Materials science	Greater Atlanta Area	August
Law	Greater Philadelphia Area	September
Automotive industry	Houston, Texas Area	October
Pathology	Greater Seattle Area	November
Hospitality	Greater Detroit Area	December
Petroleum engineering	Miami/Fort Lauderdale Area	January
Childcare	Phoenix, Arizona Area	February
Film production	Greater Minneapolis-St. Paul Area	March

# Skills Gaps

## SKILL

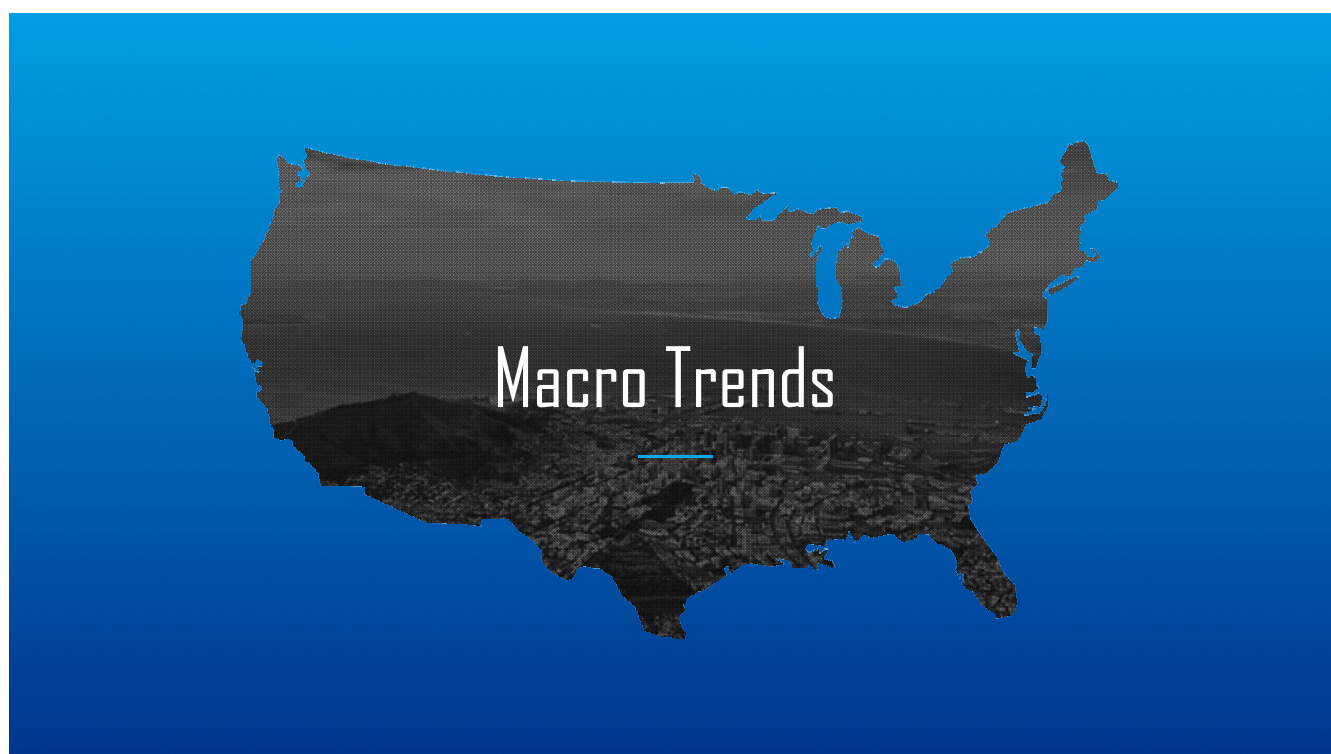
## REGION

## MONTHS

Customer service	Spokane, Washington Area	January
Sales	Lexington, Kentucky Area	February
Food and beverage	Harrisburg, Pennsylvania Area	March
Aviation	Toledo, Ohio Area	April
Software development	Allentown, Pennsylvania Area	May
Computer science	Saginaw, Michigan Area	June
Geography	Sarasota, Florida Area	July
Industrial design	Chattanooga, Tennessee Area	August
Criminal justice	Fresno, California Area	September
Cardiology	Savannah, Georgia Area	October
Sociology	Provo, Utah Area	November
Manufacturing	Jackson, Mississippi Area	December







# 262K

Shortage of professionals with software  
development skills



**993K**

shortage of professionals with oral  
communication skills

**993K**

shortage of professionals with oral  
communication skills

>

**262K**

Shortage of professionals with software  
development skills



## Communication Skills



Communication



Reasoning



Working in teams

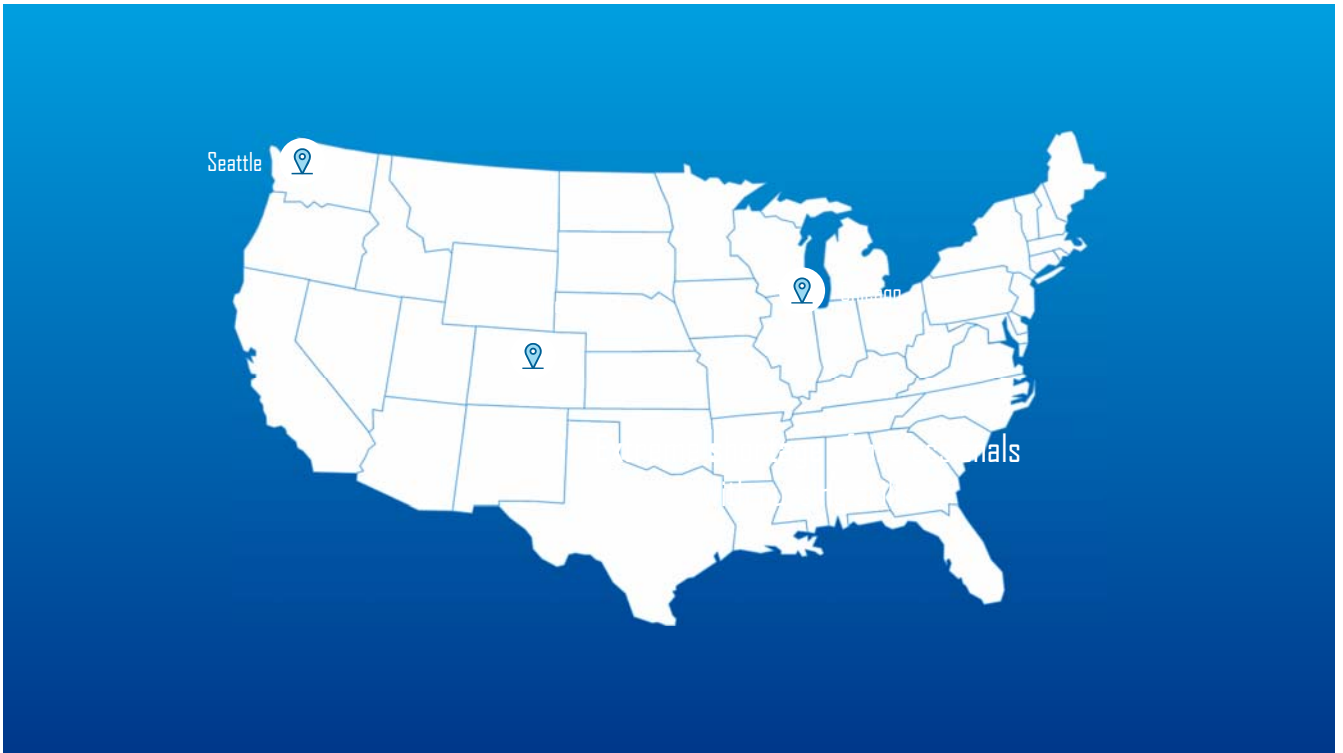
Soft skills can't be automated





## Micro Trends









**Skills gaps can be narrowed**  
in a variety of ways

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[economicgraph.linkedin.com](http://economicgraph.linkedin.com)