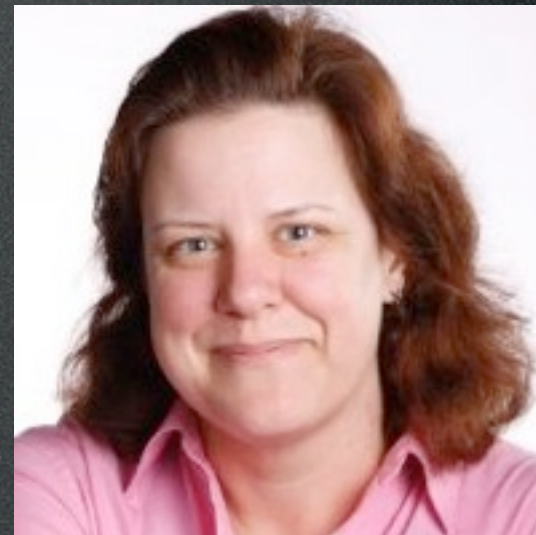


Building the Professional Web

LinkedIn's Faceted Search



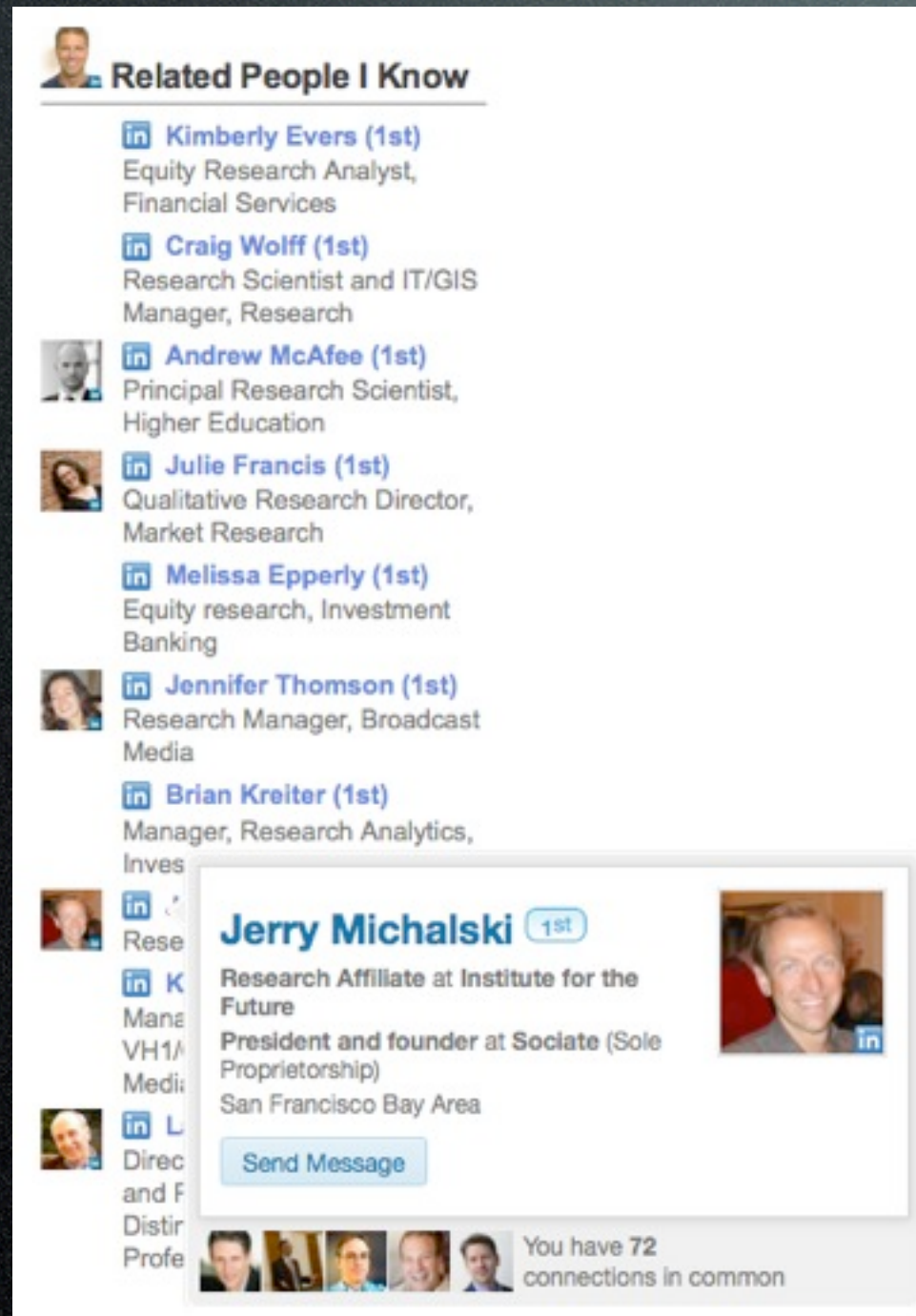
Kirsten Jones
Developer Advocate
LinkedIn

LinkedIn Platform



- Leading platform for building the professional web
- Professional profile of record
- Committed to building a healthy developer ecosystem

DailyEndeavor



- Title search (fuzzy)
- Industry or sub-industry facet
- Profile plugin

Facet Search Demo

Title/Industry browser

Title: Industry:

| |
|---|
|  Ted Hardie Sr. Director of Technology, IP Infusion (Computer Networking) |
|  Gilles Marchand Co-Founder, Director of Product, Nimble (Computer Software) |
|  Caitlin Smallwood Director, Data Science & Engineering, Netflix (Entertainment) |
|  Kristen Huntley director of project management, iconmobile (Internet) |
|  Paul Oeschger Director of Partner Management, Netflix (Entertainment) |
|  Delyn Simons Director, Developer Relations, Mashery (Internet) |

- Title match
- Industry facet
- Search request
- Parsing results

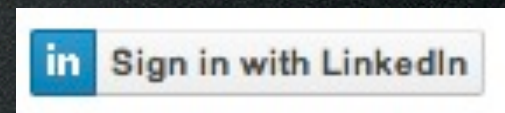
Javascript API

Quick Start

1. Load the Framework

```
<script type="text/javascript" src="http://platform.linkedin.com/in.js">
  api_key: your_api_key_goes_here
</script>
```

2. Add a Login Button



```
<script type="IN/Login" data-onAuth="loadData"></script>
```

3. Use the API

```
function loadData() {
  IN.API.PeopleSearch()
    .fields("keywords", "Princess");
    .result(function(result) {
      alert(JSON.stringify(result))
    } )
}
```

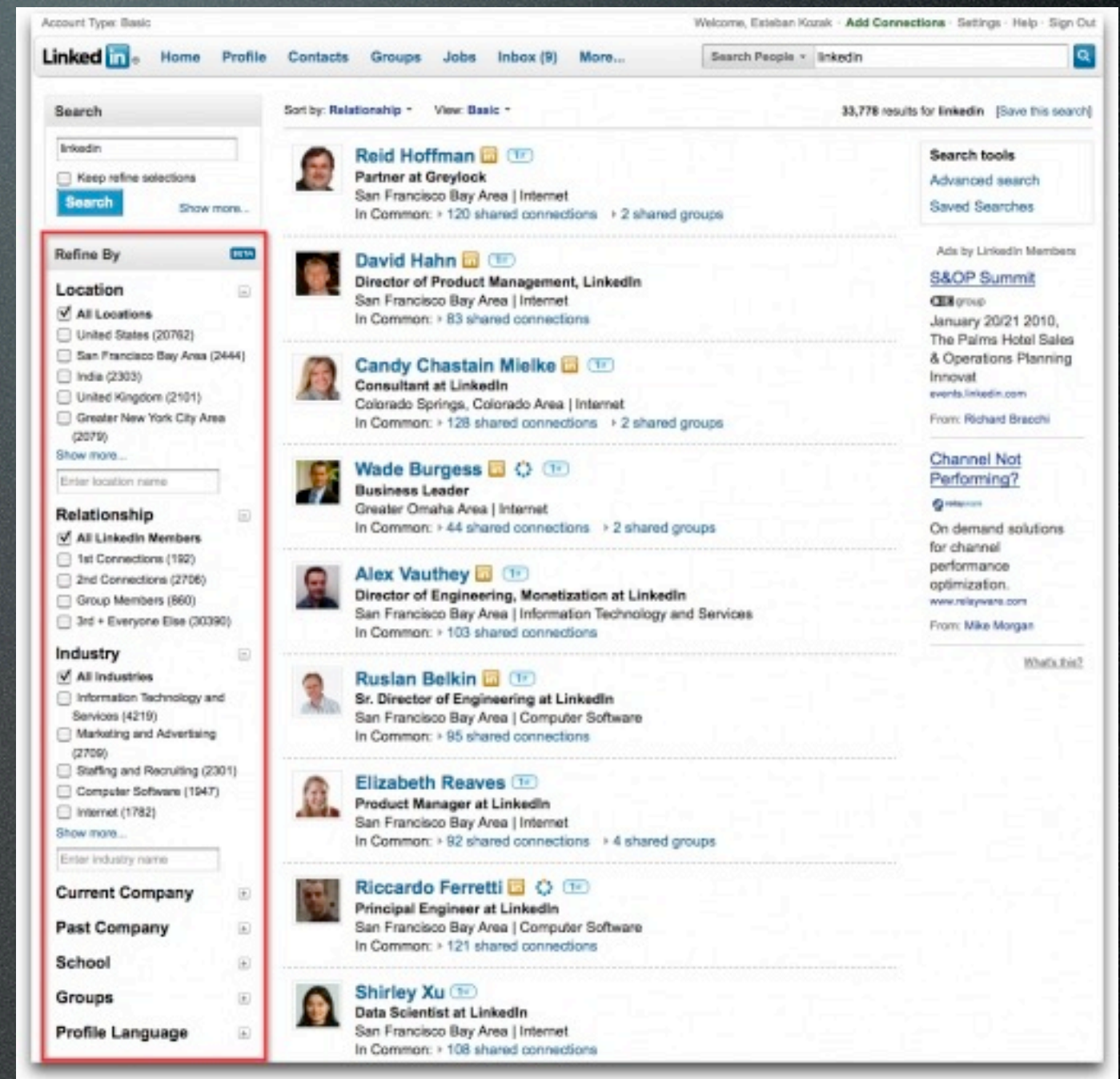

Search Facets

- Request facets for a member's network

?facets=industry

- Use facets to hone search requests

?facet=industry,6



Building the Search Request

Request

```
IN.API.Raw( "/people-search?keywords=Princess" )  
  .result(function(result) {  
    alert(JSON.stringify(result))  
  } )
```

Results

```
{  
  "numResults":25293,  
  "people":{  
    "values": [{  
      "id":"G0uYndFs07",  
      "lastName":"Jones",  
      "firstName":"Kirsten"  
    }],  
    "_count":1,  
    "_start":0,  
    "_total":1100}  
}
```


Building the Search Request

Profile Information

```
people:(  
  first-name,  
  last-name,  
  public-profile-url,  
  positions:(  
    title,  
    company:(  
      name,  
      industry)),  
  picture-url)  
)
```

Parameters

```
facet=industry,6  
facet=network,F,S  
title=Founder
```


Putting it Together

Request

```
IN.API.Raw("/people-search:(people:(first-name,last-name,site-standard-profile-url,positions:(title,company:(name,industry)),picture-url))?facet=industry,6&title=Founder&facet=network,F,S")
    .result(function(result) {
        alert(JSON.stringify(result))
    })
```

Result

```
[{
  "publicProfileUrl": "http://www.linkedin.com/in/reidhoffman",
  "lastName": "Hoffman",
  "positions": {
    "values": [{
      "title": "Executive Chairman and co-Founder",
      "company": {
        "name": "LinkedIn",
        "industry": "Internet"
      }
    }]
  },
  "firstName": "Reid"
}]
```


Parsing the Results




(using jQuery)

```
IN.API.Raw(path)
    .result(function(result) {
        var html = $("#connections").html();
        for (var index in result.people.values) {
            var person = result.people.values[index];
            html += '<div class="connectionitem">';
            if (person["pictureUrl"]) {
                html += '<img src= "' +
                    person["pictureUrl"] + '" width=40 align=right/>';
            }
            html += '<a href="' + person["publicProfileUrl"] + '"><h3>' +
                person["firstName"] + " " + person["lastName"] +
                '</h3></a>';
            var currentPosition = person["threeCurrentPositions"]["values"][0];
            html += currentPosition["title"] + ', ' +
                currentPosition["company"]["name"] + ' (' +
                currentPosition["company"]["industry"] + ') </div>';
        }
        $("#connections").html(html);
    });
```


Results

Title/Industry browser

Title: Industry:

| |
|--|
|  Ted Hardie Sr. Director of Technology, IP Infusion (Computer Networking) |
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Learn More

- Developer portal:
<http://developer.linkedin.com>
- Blog post
<http://www.princesspolymath.com>
- Questions?