# **UC Berkeley Alumni Network Report**

## **Sample Queries and Results:**

1) Question: What openings exist for a certain type of profession? (in this case, Software Engineering is picked from the drop-down menu).

SELECT Company\_Name, Opening\_Description, Profession\_Name FROM Professions INNER JOIN Openings ON Professions.Profession\_Id = Openings.Profession\_Id INNER JOIN Offices O on Openings.Office\_Id = O.Office\_Id INNER JOIN Companies C on O.Company\_Id = C.Company\_Id WHERE Profession\_Name = 'Software Engineering'

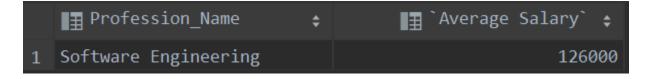
### 1) Result:



2) Question: Out of the UC Berkeley alumni that reported their positions, what is the average salary by profession (in this case, Software Engineering was picked from the drop-down menu).

SELECT Profession\_Name, ROUND(AVG(Positions.Salary)) as 'Average Salary' FROM Positions INNER JOIN Professions P on Positions.Profession\_Id = P.Profession\_Id WHERE Profession\_Name = 'Software Engineering'

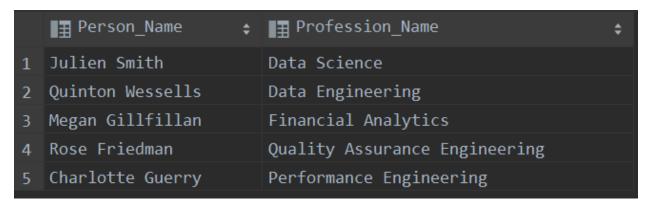
### 2) Result:



### 3) Name all UC Berkeley alumni who work/worked at a specific company (in this case, Apple was searched). Also, what is their profession?

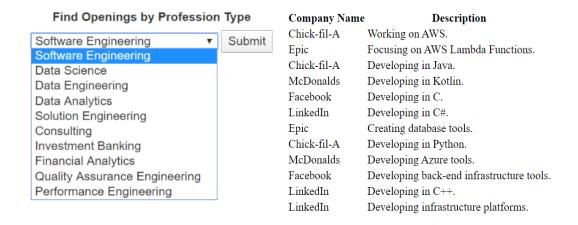
SELECT Person\_Name, Profession\_Name FROM People INNER JOIN Positions P on People.Person\_Id = P.Person\_Id INNER JOIN Offices O on P.Office\_Id = O.Office\_Id INNER JOIN Companies C on O.Company\_Id = C.Company\_Id INNER JOIN Positions on People.Person\_Id = Positions.Person\_Id INNER JOIN Professions on Positions.Profession\_Id = Professions.Profession\_Id WHERE Company\_Name = 'Apple'

### 3) Result:



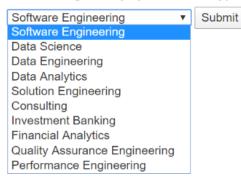
### **Sample Forms:**

1) What openings exist for a certain type of profession?



2) Out of the UC Berkeley alumni that reported their positions, what is the average salary by profession?

Find Average Salary by Profession Type



**Profession Type Salary**Software Engineering 126000

3) Name all UC Berkeley alumni who work at a specific company.



#### Person Name Profession Name

Julien Smith Data Science
Quinton Wessells Data Engineering
Megan Gillfillan Financial Analytics

Rose Friedman Quality Assurance Engineering

Charlotte Guerry Performance Engineering

## **Sample Reports**

1) For each education level, how many Berkeley alumni have reported their positions and for these positions, what is the average salary by education level?

SELECT People\_Education.Education\_Id, Education\_Name, COUNT(People\_Education.Education\_Id) as 'Amount per Education Level', AVG(Salary) as 'Average Salary' FROM People\_Education INNER JOIN Positions P on People\_Education.Person\_Id = P.Person\_Id INNER JOIN Education\_Levels EL on People Education.Education Id = EL.Education Id GROUP BY Education Id;

### 1) Result:

	■ Education_Id 💠	■ Education_Name	<b>‡</b>	Amount per Education Level and a large	<b>‡</b>	<b>I</b> `AVG(Salary)` <b>\$</b>
1		High School				68000.0000
2		Some College				108357.1429
3		Bachelor's			15	105266.6667
4	4	Masters			10	95400.0000
5		Doctorate				94400.0000

# 2) What are the top 5 offices with most openings? Can we get some information about these offices?

SELECT O.Office\_Id, Company\_Name, COUNT(Openings.Office\_Id) as 'Amount of Openings', City, State, Country FROM Openings INNER JOIN Offices O on Openings.Office\_Id = O.Office\_Id INNER JOIN Companies C on O.Company\_Id = C.Company\_Id GROUP BY Openings.Office\_Id ORDER BY 'Amount of Openings' DESC LIMIT 5;

### 2) Result:

