FROM ACADEMIA TO INDUSTRY, WHAT TO PREPARE FOR

SEPEHR JALALI
DEEP LEARNING TEAM LEAD,
mediatek RESEARCH UK
Masters done! What next?

Masters → Industry

Masters → Academia (RA, TA, Admin, IT, etc.)

Masters → PhD → Industry (Junior Scientist)

Masters → PhD → Post-doc → Industry (Research/Technology)

Masters → PhD → Post-doc → Industry ↔ Academia

Masters → PhD → Post-doc → (Senior) Lecturer → Professor

What drives you most?
Why are publications important?
What matters?

- Is university ranking important?
- Is where you publish to, important?
- Are marks important?
- Is work experience important?
- Are internships important?
- Is changing field a good idea?
- Should I know everything in my field?
- Should I know only about my specialty?
- Can I get a PhD scholarship?
### Jobs and average salaries

<table>
<thead>
<tr>
<th>Job</th>
<th>Average Salary</th>
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<tbody>
<tr>
<td>Statistician</td>
<td>72,100 USD/year</td>
</tr>
<tr>
<td>Business Intelligence (BI) Analyst</td>
<td>67,600 USD/year</td>
</tr>
<tr>
<td>Data Analyst</td>
<td>59,700 USD/year</td>
</tr>
<tr>
<td>Big Data Engineer</td>
<td>114,800 USD/year</td>
</tr>
<tr>
<td>Database Administrator (DBA)</td>
<td>72,800 USD/year</td>
</tr>
<tr>
<td>Data Architect</td>
<td>115,800 USD/year</td>
</tr>
<tr>
<td>Machine Learning Engineer</td>
<td>111,600 USD/year</td>
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</tbody>
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How to succeed?

- **Plan**: Have a plan: Look at the big picture, think outside the box, and connect the dots
- **Network**: Build a REAL network and make strong connections. Got LinkedIn???
- **Up to date**: Be up to date (What is your latest interesting paper/author/group?)
- **Learning**: Keep learning
- **Ask**: Ask questions in meetings and stand out
- **Aspects**: Work on both theory and practice (fundamental/applied research)
How to write a good CV?

- Home Address?
- Phone no.?
- Nationality? (visa req. clearance, etc.)
- Date of birth?
- Photo?
- Links? (Schools, Github, Google Scholar, etc.)
- Education
- Summary
- Skills
- Work Experience (unrelated or bad work experience?)
- Awards and achievements
- Sports, hobbies? (I like walking!)
- Publications
Interview stages

- Applying direct or through agencies?
- CVs.
- Research the organization
- Online test (Programming, logic, topic related question)
- Programming tasks
- Paper review
- One on one interview
- Previous work presentation
- A selected paper presentation
- Team interview
- HR interview
- Contract signing
Working from home!
Interview?

- How to dress (in Lock down!)
- Being prepared (know about the interview meeting process)
- Anticipate questions and have answers ready
- Read-Read-Read
- Watch-Watch-Watch
- How to answer if you do not know the answer!
- Confident but not arrogant
- Being nice and a good team player (keep that smile!)
- What to ask?
- How can you help the company? How can the company help you?
- Get to know what the role is
- Try to make a good impression to be a wanted choice, not an ok/back-up choice
Interview vs reality!