MLE/RS-求职分享

Chengxi Li

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About Me

cicelyli.github.io

- 2012 – 2016   B.S. from Fudan University
- 2016 – 2021   Ph.D. in Computer Vision from Purdue University
- 2019 – 2020   Research Intern @ Honda Research Institute
- 2020.11   Machine Learning Engineer Intern @ Facebook
- 2021.12   Incoming Research Scientist @ Facebook

Most In-demand Tech Jobs

- General SWE/SDE – *BS (CS,EE), MS (CS, EE, CE, ME…) & PhD (CS, EE, CE, ME, Bio, Chem, MSE…)*

- Data Analytics – *BS & MS (CS, Math, Stat, BA, Econ…)* / Data Scientist - *MS & PhD (CS, Stat, Math, Eng, BA, Econ, DS…)*

- Machine Learning Engineer – *MS & PhD (CS, EE, Eng, Stat…)*

- Research Engineer – *MS & PhD (CS, EE, ME, Math …)*

- Research Scientist – *PhD (CS, EE, ME, Math …)*

- Others:
  - Perception Engineer
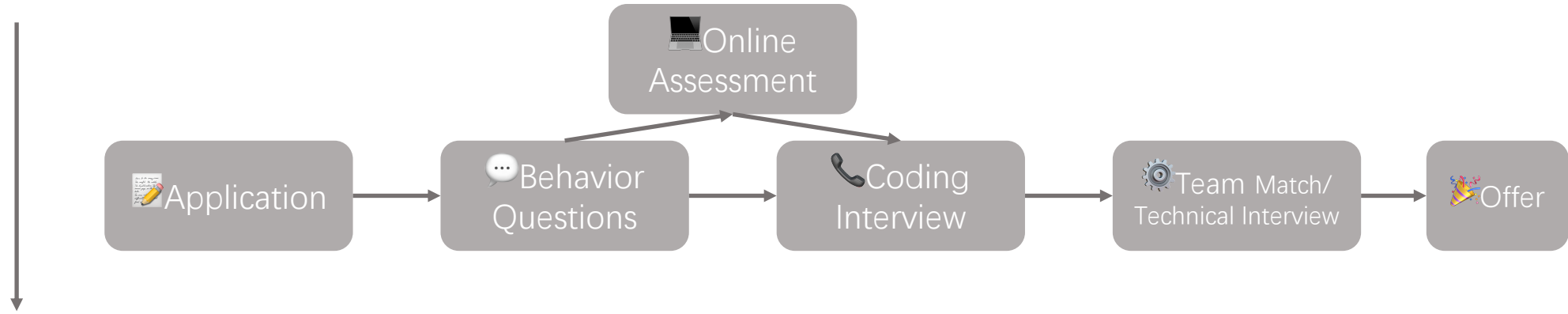 - Control Planning Engineer
  - ……

Autonomous Vehicle, Security Engineer
Mountain View, California, United States

Backend Engineer, Machine Learning Data Infrastructure
Mountain View, California, United States

Data Scientist
Mountain View, California, United States

Data Scientist - Weather Data
Ann Arbor, Michigan, United States; Mountain View, California, United States

Data Scientist / Software Engineer, Planner
Mountain View, California, United States

Experienced Software Engineer, Behavior Prediction
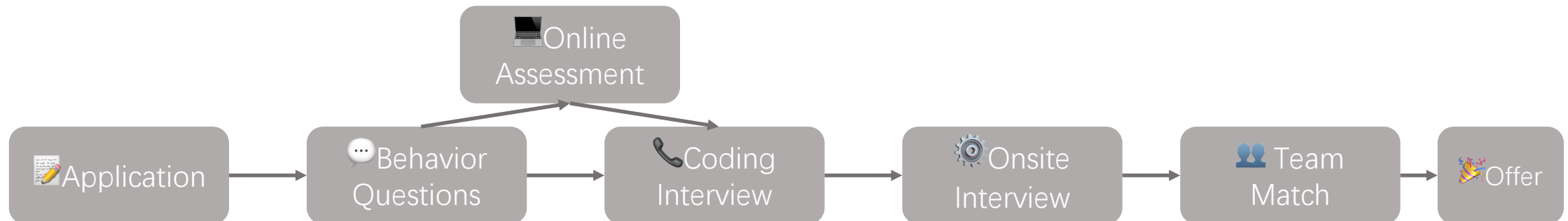Mountain View, California, United States

WAYMO

Intern/Full-time Interview Process

- Intern

A shortcut 🐵

- Full-time

How to prepare?

📝Application
- ✓ Directly apply 🌟🌟
- ✓ Referral 🌟🌟🌟
- ✓ LinkedIn ❓ 🌟

Besides connections, your resume is the most important!!

💬Behavior Questions

Easy to prepare (1pint3acres, asking people, google search)

💻Online Assessment　　**📞Coding Interview**

80% Leetcode
20% Interview experience from other people

⚙️Technical Interview
- ✓ Machine Learning
- ✓ Probability
- ✓ Project / Research Experience (Get familiar with your resume!!)

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👥 Team Match

👀 More about your personality
🤝 If you are a good team player

FAQ

1. I have non-CS background, what should I do if I want to find tech jobs?
   - ✔ Be confident 💪 (It is not necessary to have a CS degree)
   - ✔ Take (online) courses – *You must know algorithms (for SDE)! If you want to be an MLE/DA/DS, take Machine Learning/ Data Science Courses*
   - ✔ Projects – use the resources from your school, or read papers and learn by yourself

2. Recommended books/courses for Machine Learning?
   - ✔ Stanford CS 229   (get your hand DIRTY, or you will never understand it)
   - ✔ Purdue ECE 595 (search 'Purdue Stanley Chan', you will find it on the website)
   - ✔ GitHub
   - ✔ Learn PyTorch

3. How deep should I learn about ML if I just want to be a product manager?
   I don't think you need to. Unless the product of your team is heavily built on ML algos.

1. How is the work life for MLE?
   - ✔ Depends on your team and your level
   - ✔ Very interesting also challenging, in my opinion.

2. Salary for DS and MLE?
   - ✔ There are some differences
   - ✔ Also depends on your abilities

Thank you!
Q & A