Why You ~~Should~~ Can Learn To Code
(And Why Learning To Code Can Be Like Learning To Cook)

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Why do we learn to cook?

- To eat

- Eat healthier/more affordably

- Spend time with family

- Tradition

- Hobby

What's missing from the list?

- Become a professional chef

Learning to code doesn't have to mean becoming a professional software developer

Thanks to
https://www.robinsloan.com/notes/home-cooked-app/ for the inspiration

Coding doesn't have to mean...

- Hacking day and night
- Intimate knowledge of computers and hardware
- Complex systems and algorithms

What coding can be used for

- Automating repetitive tasks

- Answering questions about data

- Solving small problems with useful tools

- Experimenting

You might be a coder already!

If you've ever…

- Put a formula in a spreadsheet
- Created a report in Power BI
- Created a workflow in Power Automate
- Made a customization in Salesforce

Attributes of a good prospect researcher

- Inquisitive
- Analytical
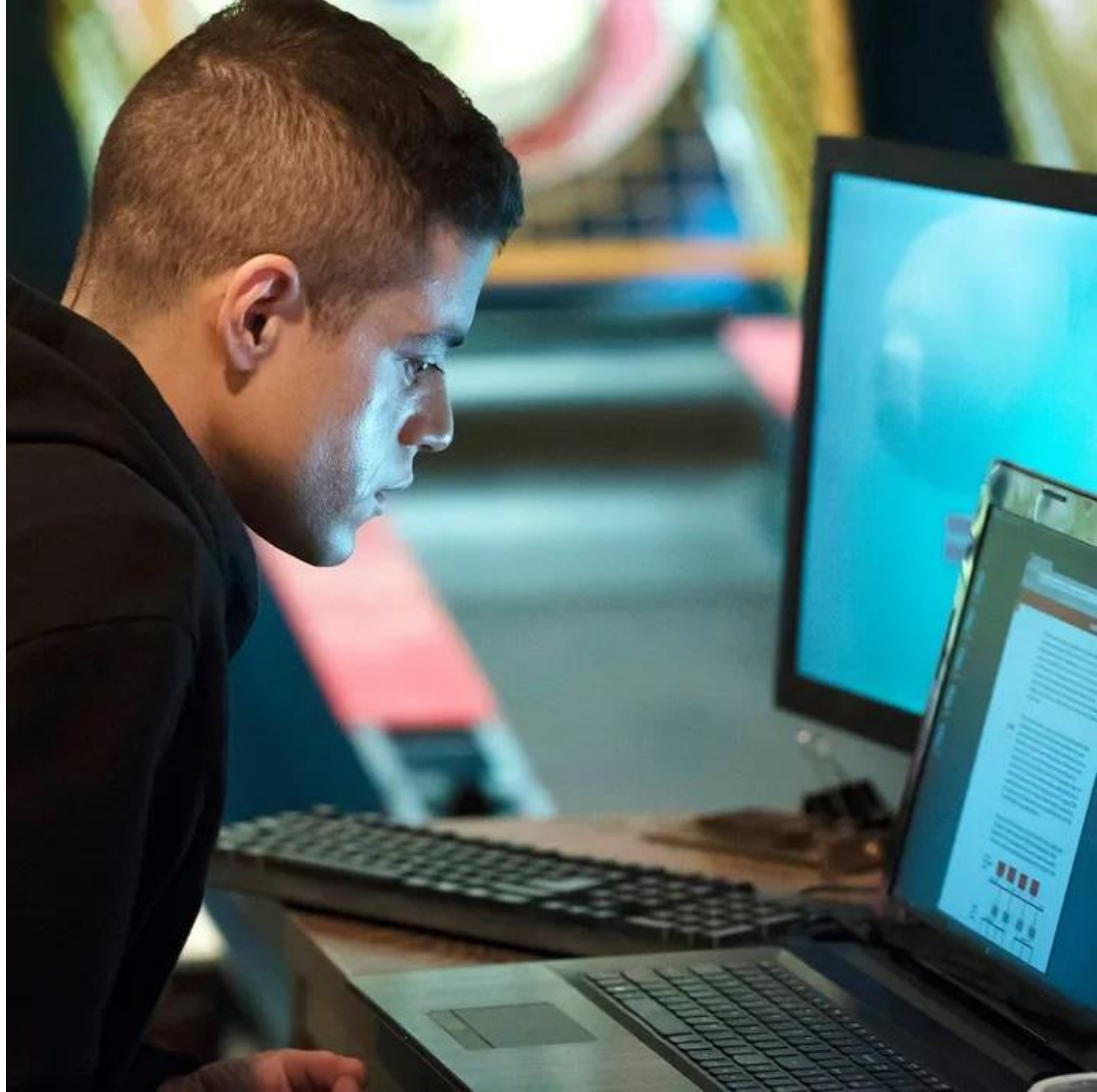- Attention to detail
- Organizational skills
- Critical thinker

Attributes of a good software developer

- Inquisitive
- Analytical
- Attention to detail
- Organizational skills
- Critical thinker

Software in Prospect Research

- Automating daily tasks
- Moving/Creating/Updating data in different software systems
- Creating reports or workflows
- Predictive analysis
- Machine learning

Or maybe it's just for you!

- Maybe you're just curious
- You want a new hobby
- You've always wanted your own twitter bot

So you'd like to learn to code

Try python!

- Great at data processing
- Free, open source, cross-platform
- Lots of great online resources
- Can do lots of different things, from machine learning to web applications
- Looks the most like English

```python
with open('../../data/companies_needing_notes.csv', encod
    reader = csv.DictReader(csvfile)
    for company in reader:
        name = company['Client']
        domain = company['Website']

        notes = companies.get(name)
        if notes is None:
            print("No notes for {}".format(name))
            continue

        print("Looking up {}".format(name))

        response = requests.get("https://api.hubapi.com/c

        if response.status_code != requests.codes.ok:
            print("Couldn't find {}".format(domain))
            print(response.text)
            continue

        data = response.json()

        if len(data) == 0:
            print("Couldn't find any companies with domai
            continue

        companyIds = []
        for c in data:
            companyIds.append(c['companyId'])

        for note in notes:
            print("Posting note to {}".format(companyIds)
```

Resources

- Canada Learning Code
  - Workshops
  - Intro to python course
  - More courses
- Free online courses
  - Udacity Intro to python course
- Continuing education courses at local university/college
  - Python data science courses at UofT

Thank you!

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