

**I. About Me**

- a. Name, age, basic info, history at Memorial, etc.
- b. My path to programming
- c. Where I work now, what we do, and my job as a developer

**II. Importance of learning about programming on your own**

- a. 'You can be the best programmer in the world, if you take the initiative'
- b. Intro into working in the programming world
  - i. Pros: You can find a job literally anywhere, options for working from home, pay is good, incredibly cool coworkers, always an opportunity to learn
  - ii. Cons: occasional pressure to keep up with other developers
- c. List the languages I know, and how/why I learned them. Explain that the programming world is massive with how much you can learn.
- d. It's not about how much you know, it's about showing that you want to learn more. That's what people want to see.
- e. Very common interview question: 'What projects do you do on the side?'
- f. Big point: Find something that you like, and take the time to learn more about it on your own time. That's the key to being the best developer.

**III. Software Dev. vs. Web Dev. vs. Mobile Dev.**

- a. List different types of jobs/careers for each, and which are most common
- b. Discuss languages used for each

**IV. Windows vs. Open-Source Development**

- a. Explain languages used for each type of development
- b. List types of companies that typically use each language, and the environment you'd probably experience
- c. Explain why I personally like open-source technology:
  - i. It's completely free, massive community, you have the ability to modify code and even change the original code, typically in a Unix/Linux environment, you use the Terminal very heavily....but mostly, it's completely free and you can use so many tools/languages for whatever purpose you want.
  - ii. The Github community, which leads me to....

**V. Versioning**

- a. Intro: Every coding team uses versioning – it's not programming, but it's a skill you'll absolutely need to be familiar with.
- b. Explain the problem of managing code when you don't have versioning
- c. Briefly explain what versioning is and how it solves that problem
- d. Intro into Github – the most popular site that stores your versioned code

**VI. Conclusion**

- a. It doesn't matter how much you know right now. The most important thing for you to do if you want to be a programmer is start learning something programming related on your own time. It can be anything, but that's what's going to open the most doors in your life in this career.