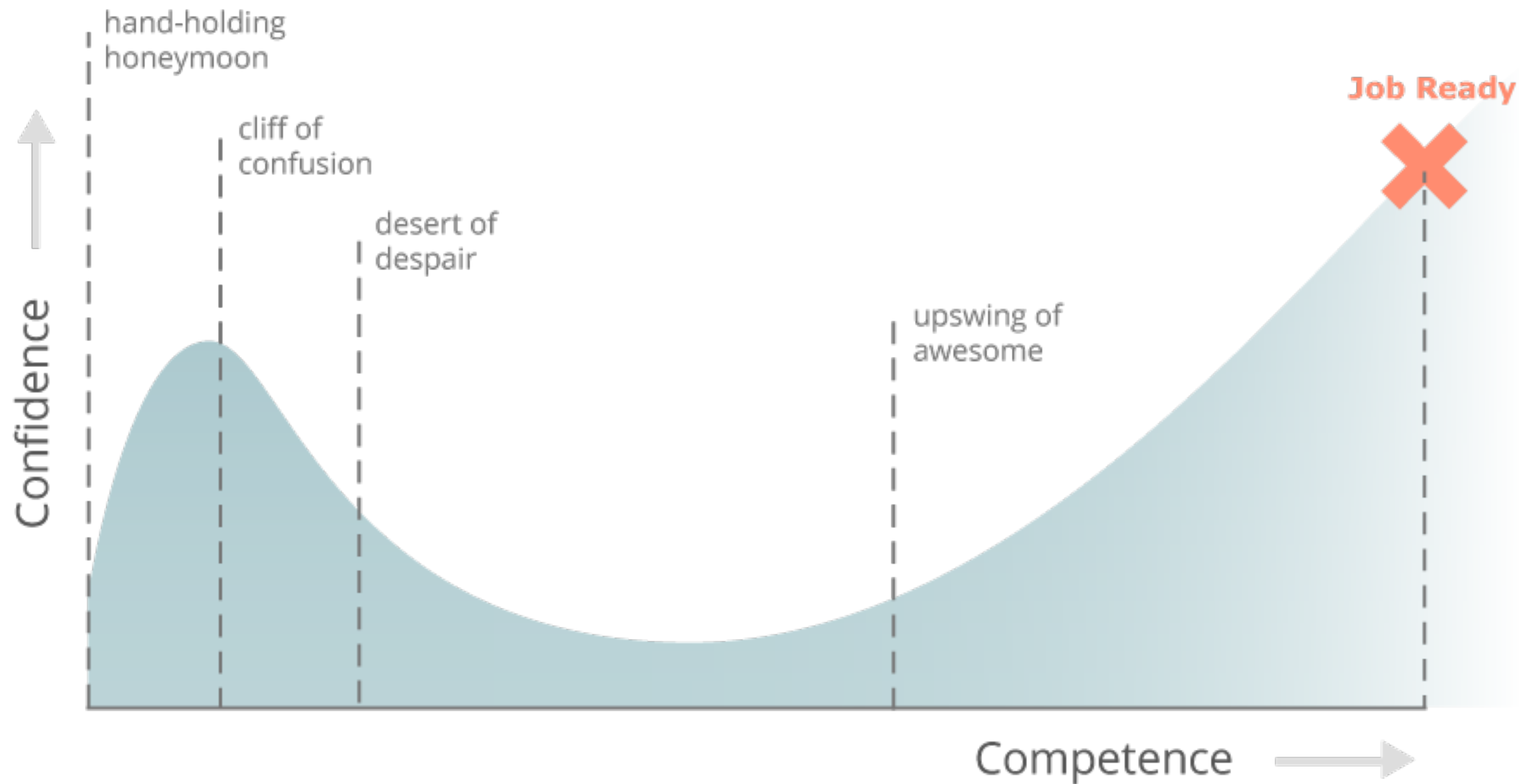


Intro to Junior Phase

Coding Confidence vs Competence



Pair Programming

- ◎ 2 programmers working collaboratively
 - **Driver**
 - writes the code
 - **Navigator**
 - reviews code
 - researches possible solutions
 - (e.g. array prototypal methods, proper syntax, etc)
 - **Both**
 - brainstorm how to solve problems
- ◎ Learning how to
 - manage frustration
 - rally after failures
 - form effective partnerships

Why Pairing?

- **Economics**
 - 15% more time on programs than individuals **but** the resulting code has 15% fewer defects.
 - Defects are costly both in time and money
- **Design Quality — More diverse solutions**
 - variety of experience
 - interpretation of code is different
 - roles differ
- **Satisfaction**
 - Average increased enjoyment in work
 - Average reported increase in confidence of code
- **Learning — Invaluable feedback, tips and overall design skill**
- **Team Building, Communication and Transparency**

Debugging

- **Read error messages**
 - Refer to line of code error was thrown at
 - Research this error online
- **`Console.log`**
 - Add text to each log so you know when it is being printed
- **`Debugger`**
 - chrome dev tools allows you to walk through the code line by line
- **Ask for help...**

Asking for Help

- **During workshops - Help Desk**
 - Make a descriptive help ticket
 - e.g. We are on X part of the workshop. The prototypal method we created is running, but it won't stop, so we are exceeding the maximum call stack.
- **Outside of workshop hours**
 - Use slack to message your instructors and fellow!
 - Request office hours from staff directly
- **With non-technical issues**
 - Incident Report Form
 - Feedback and check-ins

Getting Started

- Git Pairing Tips!
- Environment Setup - Toolbox Workshop
- Your cohort repo
- Junior Phase Outline