## Rust: A Richly Typed, Memory-safe, Algebraic Systems Language for Writing Perfect Code

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Gjengset (2021) rus (2023<br/>b) rus (2023a) Kernighan and Ritchie (1972) Oatman (2022)

## References

- 2023 "https://doc.rust-lang.org/stable/rust-by-example/.". Rust by example is a website that shows you many of the features of rust through thorough code examples and descriptions. It is a great way to get concise, correct code, in order to better explain complex ideas.
- 2023 "Rust Programming Language.". This is the official Rust Language website. It is created and maintained by the Rust Team (Rust maintainers) as well as many contributions form the community. It mostly serves as a launching point for learning and participating in Rust. As well has maintaining links, this site has a blog for Rust news for update and feature announcements.
- Gjengset, Jon. Rust for Rustaceans: Idiomatic Programming for Experienced Developers. No Starch, 2021. In this book, the author goes beyond the basics by exploring exploring common advanced programming patterns and concepts. Instead of defining a trait, he shows meaningful, stateful, applications of traits in specific problems.
- Kernighan, Bryan and Dennis Ritchie. The C Programming Language. Prentice Hall, 1972. In this book, the authors, having created the C programming language, give a deep dive into it. This book teachs the reader C, but more importantly, it teaches how computer registers, memory, and data work and are stored at the most basic level. Although it follows a different paradigm from Rust, it is impossible to cohesively cover a programming language without paying homage to C.
- Oatman, Tris. 2022 "https://www.youtube.com/noboilerplate.". This Youtube channel is an excellent secondary/tertiary source for concise, complete analysis of the Rust language. While other sources merely gives the facts, this channel shows real-world applications as well as fun independent use cases.