# RUST

## A PREPRINT

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### ABSTRACT

*K*eywords

## 1 Introduction

## 2 History

Rust was designed in 2006 by Graydon Hoare, who was an employee of Mozilla. The project began as a hobby project, but changed when Graydon presented the prototype to his manager. In 2009, Mozilla began sponsoring the project in order to rebuild their browser stack. The main reason for the development of Rust was to make systems programming safer by solving two main issues: memory management and concurrency.

On January 2012, the pre-alpha version of Rust compiler was released. The first stable version did not come out until May 15, 2015. Rust shifted to a self-hosting compiler named rustc in 2010.

Rust began to gain traction in 2015 by winning the third most loved language in Stack Overflow. Since then it has won first place every single year. Rust is still alive with the most stable version being released March 12, 2020. The reddit subcommunity has 94,500 users in it.

## 3 Control Structures

## 4 Data Types

## 5 Subprograms

## 6 Summary

## References

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