

# Jordan Rose

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## Personal Profile

A recent CS graduate from Southern Oregon University who is passionate about software development and engineering. Have been coding for the last 4 years with a broad range of experience across multiple disciplines and languages. Capable and prepared to quickly learn new technologies and programming languages as they are required. Open to all kinds of development roles as well as other similar opportunities.

## Education

### Southern Oregon University

Ashland, OR

Bachelor of Science in Computer Science. GPA: 3.4/4.0

Sep 2019 - Jun 2022

- **Courses:** Theory of Computation, Operating Systems, Programming Languages, AI Engineering, Systems Analysis, Cloud Computing, Algorithms and Data Structures, Databases, Server-Side Web Development, Web Security

## Projects

### WalkAshland Capstone

Ashland, OR

Peter Finkle - Southern Oregon University

Jan 2022 - Jun 2022

- Developed template software to allow client to create content for the WalkAshland Android mobile app using a desktop application written in Java which the client was extremely impressed by and satisfied with.
- Developed new features for the Android mobile app in addition to integrating compatibility between the app and its online database, Firebase.
- Collaborated in 2 student team to divide workload and plan software development while maintaining active communication with our project manager.
- Presented the project upon completion to other students, professors, and capstone clients from the Southern Oregon area. A video of this project's presentation can be viewed at this link: [bit.ly/3yS810i](https://bit.ly/3yS810i)
- **Technical Skills:** Java, XML, Android Studio, Eclipse, Git, Firebase, VS Code, Agile, Waterfall.
- **Soft Skills:** Time Management, Systems Analysis, Teamwork, Presentation skills, Report writing.

### Lox Programming Language

Medford, OR

Solo Project

Mar 2022 - May 2022

- Wrote code for a scanner, parser, interpreter, resolver, and other required classes in Java to implement the Lox programming language described in the "Crafting Interpreters" book.
- Connected the back-end implementation of the programming language to a front-end web page written in Elm where code could be entered and executed.
- Utilized Spring Boot and GraphQL to manage dependencies, XML configuration, and generate classes
- **Technical Skills:** Java, Elm, Spring Boot, GraphQL, HTML/CSS.

### DeepRacer AI

Ashland, OR

Southern Oregon University

Nov 2021 - Dec 2021

- Wrote code in Python to create a reward function for an AI controlling a race car that encourages it to stay on the race track while completing it in as short of a time as possible.
- Worked in a 3 student team where the completed race car placed 2nd in the class for time to complete the track.
- **Technical Skills:** Python, Machine Learning, Algorithms
- **Soft Skills:** Logical Thinking, Critical Thinking, Teamwork

## Skills

**Programming** Java, Python, C, HTML/CSS, JavaScript, SQL.

**Miscellaneous** Linux, Windows, Shell (Bash/Zsh),  $\text{\LaTeX}$ (Overleaf/R Markdown), Microsoft Office, Firebase, Git.

**Soft Skills** Time Management, Teamwork, Problem-solving, Documentation, Communication, Critical Thinking.

## Interests

### Java

Since I first learned Java in 2017 as my first programming language it's always been my comfort language. There's so many new things that I learn about Java every time I undergo a project using it and I'm always surprised at how much utility it has.

### Travelling

I have always enjoyed travelling since I was a kid. Would love to get more opportunities in the future.

### Video Games

I've been playing computer games since I was 4 years old on a Windows '96 machine, and have always loved them.

### Music

I enjoy almost all types of music and listen to just about every genre, and I also play the violin.