

Compilers Portfolio

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ACM Reference Format:

William Roberts, Jessica Jorgenson, and J. Beckett Sweeney. 2020. Compilers Portfolio. In *Proceedings of ACM Conference (Conference'17)*. ACM, New York, NY, USA, 1 page. <https://doi.org/10.1145/nnnnnnn.nnnnnnn>

1 INTRODUCTION

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2 BACKGROUND

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3 METHODS AND DISCUSSION

3.1 Tools and Setup

To begin our project, we used the "Getting Started with ANTLR v4" guide provided by antlr.org.

We followed the necessary steps to set up ANTLR for Java on Windows and after working through a few minor bumps, we successfully got it working.

For version control, we have set up a GitHub repository so that the three of us can work remotely and safely have access to previous versions of our project.

As for team management, we have decided to use Trello. Its simple interface and powerful tools paired with us already being familiar with it makes it a perfect tool for our team.

Communication will take place on Discord, where we can easily send messages and files back and forth.

Both Trello and Discord have mobile apps as well so planning and communication can be done even when we are away from our computers.

3.2 Scanner

3.3 Parser

3.4 Symbol Table

3.5 Code Generation

3.6 Full-Fledged Compiler

4 CONCLUSION AND FUTURE WORK

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Conference'17, July 2017, Washington, DC, USA

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ACM ISBN 978-x-xxxx-xxxx-x/YY/MM. . . \$15.00

<https://doi.org/10.1145/nnnnnnn.nnnnnnn>