**Montana State University Computer Science Department**

**Senior Team Portfolio**

Compilers

CSCI 468

Spring Semester of 2019

by

Spencer Debuf, Gregor Smirnow, & Kenneth Taylor

Montana State University

Bozeman, Montana

**Section 1: Program**

*Attach the source listing of the program that you wrote for your capstone course (CSCI 468 or CSCI 483). Include the specifications for the program.*

**Section 2: Teamwork**

*Describe how your team worked on this capstone project. List each team member’s primary contributions and estimate the percentage of time that was spent by each team member on the project. Identify team members generically as team member 1, team member 2, etc.*

**Section 3: Design Pattern**

*Identify one design pattern that was used in your capstone project and describe exactly where in the code it is located. Highlight the design pattern in yellow. Explain why you used the pattern and didn’t just code directly.*

**Section 4: Technical Writing**

*Include the technical document that accompanied your capstone project.*

**Section 5: UML**

*Attach the UML design diagrams for your capstone project that were created* ***before*** *you began coding your project.*

**Section 6: Design Trade-offs**

*Describe a design trade-off decision (e.g. execution time vs. space requirements or compile time) in your capstone project and justify the design decisions that you made.*

**Section 7: Software Development Life Cycle Model**

*Describe the model that you used to develop your capstone project. How did this model help and/or hinder your team?*