

## Computer Science

| Contract | Term        | Course     | Contract Title                              | Contract Description   |
|----------|-------------|------------|---|--|
| 335104   | Spring 2017 | CPSC 3106  | Obfuscation as a Means of Data Protection   | I will program 5 different methods of obfuscating transformations as outlined in the paper "A Taxonomy of Obfuscating Transformations" by Christian Collberg, Clark Thomborson, and Douglas Low. These programs will show the code before and after obfuscation as well as a brief explanation on how these programs function. Furthermore, these programs will mention which page the transformation was drawn from as well as the category of obfuscation.   |
| 335105   | Spring 2017 | CPSC 5135U | Implementing a Rules Based System in Prolog | The project will include me learning an entirely new programming language that I have not learned in the past called Prolog. It is heavily used in artificial intelligence. After learning this programming language and its basics, I will use this language to implement a rules based system programming project. This will give me a good look into the artificial intelligence field that has always interested me. This project will go beyond the scope of the class and make me have a much more proficient understanding of the language and help in my Honors Thesis project that will use this language as a basis for the project. |