**ASHLYN A. WARREN**

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# **Summary**

Recently graduated computer science student pursuing a new career in software engineering. Passionate about data analytics, with past experience as an educator and scientist.

# **Education**

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| **Bachelor of Science in Computer Science** | February 2021 |
| Western Governors University Washington | |
| **Bachelor of Science in Marine Sciences** | December 2012 |
| North Carolina State University, Raleigh, NC | |

# **Skills**

* Python
* SQL (PostgreSQL & MySQL)
* Java

# **Projects**

**Capstone Project: Predicting Wine Quality**

* Trained a neural network to predict wine quality based on publicly available physicochemical data for red and white wines.
* Used keras and scikit-learn to train and test the model.
* Created a GUI application that predicts and visualizes wine quality based on user input fed into the model.

**Appointment Management Application**

* Created a JavaFX application which performs CRUD operations against a MySQL database for appointment scheduling.
* The application has a basic login system and is timezone aware when looking for appointment conflicts.

# **Experience**

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| **Wheat Week Educator**  *Franklin Conservation District,* Seattle, WA | February 2016 - June 2019 |
| * Taught a hands-on science curriculum to 4th and 5th grade students from schools throughout King County. * Tailored our curriculum to varied school environments in order to improve student outcomes. * Collaborated with other educators from around the state to enhance our curriculum. | |
| **Tutor**  *Huntington Learning Center,* Bellevue, WA | April 2015 - July 2016 |
| * Tutored students one-on-one for standardized testing such as SAT and AP exams. * Helped struggling elementary, middle, and high school students achieve grade-level competency in multiple subjects. | |
| **Lab Technician**  *ArborGen Inc.,* Ridgeville, SC | August 2013 - March 2014 |
| * Worked as part of a small research team handling transgenic biological material in a laboratory and in a greenhouse. * Worked with pine tree embryos through many stages of development, from preparing genetic material for growth to planting the seedling. | |
| **Field Science Intern**  *Watershed Center of Grand Traverse Bay*, Traverse City, MI | June - August 2012  June - August 2011 |
| * Surveyed private lakes and Lake Michigan for the invasive plant *Phragmites australis*, for initial herbicide treatment as a part of a three year extermination program. | |