

# John Nguyen

Everett, WA 98204

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Software developer enthusiastic about learning new patterns and techniques for problem solving. Proficient in object-oriented design, data structures, algorithms, and functional programming. Also familiar with agile development methodology and test-driven development.

## TECHNICAL SKILLS:

**Programming Languages:** C++, Java, C, Python, Javascript, HTML, CSS

**Technologies:** React, Node.js

**Version Control:** Git, Github

## EDUCATION:

**Graduate Certificate in Software Design & Development (3.7)** **2022**

University of Washington - Bothell, WA

**Associate in Computer Science (3.7)** **2021**

Edmonds Community College - Edmonds, WA

**Bachelor of Science in Applied Physics** **2020**

University of Washington - Seattle, WA

## PROJECTS:

**Decision Tree (C++)** - <https://github.com/jvn1567/DecisionTree>

- Machine learning decision tree for predicting the classification of additional test data
- Implements a data frame class to read and store CSV data and decision tree classes to process the data frames
- Built using inheritance and polymorphism to allow for further expansion of decision tree types via additional inheriting classes

**Chess (C++)** - <https://github.com/jvn1567/Chess>

- Runs a game of chess against a minimax AI in a GUI
- Uses recursive backtracking (depth-first search) and alpha-beta pruning
- Uses object oriented techniques such as polymorphism and inheritance

**Sudoku Solver (Java)** - [github.com/jvn1567/SudokuSolver](https://github.com/jvn1567/SudokuSolver)

- Allows user to enter complete Sudoku puzzle to check or generate the solution
- Implements recursive backtracking and a GUI

## EMPLOYMENT HISTORY:

**Cook | Pizza Hut - Mukilteo WA** **2017 - 2019**

- Managed multiple tasks simultaneously in a fast-paced work environment

**Merchandising Associate | Sears - Everett WA** **2015 - 2017**

- Provided assistance to customers and organized merchandise on the sales floor