**Aaron Reynolds**

**Software Developer**

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# Education

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| Old Dominion University Norfolk, Virginia  Bachelor of Science in Computer Science  Relevant Coursework:  Problem Solving & Programming, Unix for Programmers, Cybersecurity Fundamentals, Object-Oriented Programming and Design, Internet Concepts, Intro to Software Engineering, Data Structures and Algorithms, Intro to Artificial Intelligence, Professional Workforce Development | January 2020 - May 2022 |

# projects

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| Forester-in-a-Box (Current Project) | Workforce Development Coursework |

* A prototype to a hardware/software solution aimed at providing the private woodlot owner with timely forest management recommendations based on sensor data gathered in their woodlot
* Collaborates in an Agile Test-Driven Development team
* Works specifically on writing front-end code, back-end code, and integrating the ArcGIS API for interactive web maps
* Uses Visual Studio Code, HTML/CSS, PHP, JavaScript, Python, MySQL, MySQL Workbench, GitHub, GanttLab

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| Projected Enrollments | Software Engineering Coursework |

* Command Line Application that parses .csv files from a large database of historic and current class enrollments to predict future enrollments, output results to the CLI, and save results to a Microsoft .xlsx file at a given destination
* Collaborated in an Agile Test-Driven Development team
* Worked specifically on Command Line Interface, Junit testing, and OpenCSV for producing spreadsheets and graphs
* Used Eclipse, Java, GitLab, OpenProject, Gradle, Junit5, OpenCSV

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| 2D Platformer | Personal Project |

* A 2D pixel platformer game that allows the user to run, jump, climb, collect coins, win, and lose
* Implemented gravity, collision, inheritance, and events
* Created pixel art objects, sprites, and animations
* Used JetBrains PyCharm, Python, Pygame, Paint 3d

# Technical Skills

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| Familiar with C, C++, Java, Python, HTML/CSS, JavaScript, SQLite3, Git, Microsoft Windows OS, Linux/Unix, Visual Studio Code, Eclipse, Junit, Oracle VM VirtualBox, MySQL, MySQL Workbench |  |

# Work History

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| Online Computer Science Tutor | September 2021 - Current |

Old Dominion University

* Gives instruction to 100 – 200 level CS students to help them understand the basics of programming and problem solving
* Provides students with additional resources and demonstrations to aid in their understanding of course material

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| Custom Build Carpenter | February 2015 – December 2020 |

Virginia Barn Company

* Worked independently or managed a team to accomplish project goals
* Used problem-solving skills to design solutions to unforeseen barriers
* Provided customer service to clients to ensure the company fulfilled their project vision to satisfaction
* Quickly gained proficiency with new tools or techniques to complete certain aspects of a project