Kyle Rood

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EDUCATION

The George Washington University, School of Engineering and Applied Science, Washington D.C.   **May 2020**
Bachelor of Science in Computer Science; Minor: Sustainability

Relevant Courses: Intro to Software Development, Discrete Structures I, Algorithms and Data Structures, Software Engineering, Computer Architecture, Physics I and II

GPA: 3.6

TECHNICAL SKILLS

Programming Languages: Java, C, HTML, R, SQL

Programs: Microsoft Office, CedarLogic, R-Studio, Filmora

Operating Systems: Windows XP, Windows 7-10, All Mac OS, iOS, Linux

ACADEMIC PROJECTS

Simulation   **October 2017-November 2017**
- Simulated a forest fire given a random landscape of trees and a random ignition pattern
- Accounted for the fact that different types of trees will burn differently
- Made a GUI to display the landscape as it burned, as well as data relevant to the simulation (number of trees burned, number of live trees, how many trees were currently burning, etc.)

Destination Imagination (team of 5),   **Nov.-May of 2012-2016**
- Engineering and Performance based competition
- Create original story as well as props, backdrops, and technical elements using teamwork and creativity
- Emphasizes critical thinking and problem solving
Accomplishment: Success on Regional, National, and Global levels with awards for Innovation and Design

RESEARCH EXPERIENCE

Computer Science Department, The George Washington University, *Undergraduate Research Asst.* **Oct. 2017 - Present**
- Collaborate with three other researchers to modularize a computer science curriculum with Professor Rahul Simha
- Write and record audio/visual segments to help teach undergraduate students about introductory computer science topics

Computer Science Department, The George Washington University, *Undergraduate Research Asst.* **Dec. 2017 - Present**
- Work with another researcher to scrape the web to find over 30,000 cameras worldwide for Professor Robert Pless
- Revamping and redesigning a website and database to use these webcam images for scientific purposes

WORK EXPERIENCE

Penn Grill, Washington D.C.   **Feb. 2017-Present**
- Cashier

Target, Wareham, MA   **June-Aug. 2017**
- Customer service

The Mac Express, Wareham, MA   **Jan.-Aug. 2016**
- Sales and Apple Certified Tech Team
  - Provided tech support for all Apple Products

EXTRACURRICULAR EXPERIENCE

Damien's Food Pantry   **Dec.-Jan. of 2014-Present**
- Giving groceries to local homeless people on Wednesdays and Saturdays