

Haley Currence

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Education

VIRGINIA COMMONWEALTH UNIVERSITY | Richmond, VA Jan. 2021 - Present
Bachelor of Science: Computer Science, Minors: Computer Engineering

UNIVERSITY OF NORTH CAROLINA CHARLOTTE | Charlotte, NC Aug. 2018-Aug. 2019
Bachelor of Science: Computer Science, Minors: Spanish & Computer Engineering GPA: 3.4
Concentration: Robotics, AI, and Gaming

CHRISTOPHER NEWPORT UNIVERSITY | Newport News, VA Aug. 2015-Nov. 2017
Majors: Computer Engineering & Computer Science, Minors: Spanish & Leadership Studies GPA: 3.24

Past Development Projects

Unit/Spec Testing for the Federal Reserve Bank (Summer 2020) - Refined and developed automated testing for existing server processes. Wrote documentation for future employees on the development process.

Artificial Intelligence and TicTacToe (Feb. 2019) - Designed and implemented an artificial intelligence agent and environment in which the user plays a game of TicTacToe against the computer player.

First Person/Virtual Reality Driving Simulator (RamHacks 2017, Oct. 2017) - Used Unity 3D Engine to develop the physics and controls of a car from the view of an Oculus Rift. Won second place in the virtual reality competition.

Leadership and Activities

GAME DEVELOPMENT LEARNING CLUB - PRESIDENT/FOUNDER | Newport News, VA Jan. 2017-Dec. 2017

- Created a seminar-based learning curriculum focused on teaching video game design and development
- Coordinated with local developers and university students to teach and head seminars
- Taught several seminars on text-based, 2D, and 3D game development
- Gained working knowledge of Unity's 3D Interface, C, and C# scripting

SOCIETY OF WOMEN ENGINEERS - PRESIDENT/FOUNDER | Newport News, VA Jan. 2016-Dec. 2016

- Established the collegiate chapter at Christopher Newport University
- Planned and organized several on-campus events through collaboration with departmental and off-campus resources
- Learned how to lead and manage a group and resources effectively

Professional Experience

REX ACADEMY - OPERATIONS MANAGER AND INSTRUCTOR | Remote Aug. 2020 - Present

- Applied sales tactics in B2C sales and customer service campaigns
- Led a team of Computer Science instructors and organized their classes
- Taught classes in Scratch, Mobile App Development, Java, and Python
- Enacted curriculum changes and applied voice talents to video lessons
- Hired, Trained, and Fired employees

FEDERAL RESERVE BANK OF RICHMOND - IT INTERN | Richmond, VA June 2020-Aug. 2020

- Fashioned documentation and draft production processes using Confluence and Sharepoint
- Used Ruby, Linux Bash, Windows Powershell, and GitLab to create Puppet tasks and spec test module manifests.
- Refined team production analytics for better management review

REX PROGRAMMING - LOCATION MANAGER AND INSTRUCTOR | Concord, NC Dec. 2018-Dec. 2019

- Taught the fundamentals of programming and robotics to children ages 4-16
- Maintained and facilitated the office upkeep
- Organized marketing and sales campaigns
- Devised and redesigned lesson plans in various subjects pertaining to Computer Science and Engineering

CHRISTOPHER NEWPORT UNIVERSITY – RESEARCH SCHOLAR | Newport News, VA Summer 2017

- Gained practical knowledge and use of Linux and the Robotic Operating System (ROS)
- Set up and worked with a Turtlebot robotic system, an Oculus Rift system, and with Amazon Alexa and Web Services

Achievements

- Christopher Newport University Physics, Computer Science, and Engineering Department - Community Award (2016), Service Award (2017)

<https://github.com/HCurrence>