

# Haley Currence

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## Education

**VIRGINIA COMMONWEALTH UNIVERSITY** | Richmond, VA Jan. 2021 - Present  
**Bachelor of Science: Computer Science, Minors: Computer Engineering** GPA: 3.0

**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

**Desktop Application for Software Engineering Course (Fall 2020)** - Lead a small team in developing a desktop application using service-oriented architecture. Designed and developed the service broker to manage team-built stubs and services. Composes unit-testing and harnesses for application development.

**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.

## 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 and B2B sales and customer service and support campaigns
- Organized and managed the B2C sector of the company
- Taught classes in Scratch, Mobile App Development, Java, and Python with a team of instructors
- Enacted curriculum changes and applied voice talents to video lessons
- Trained teachers across the United States in Computer Science and Rex Academy's teaching platform

**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)