



Kathryn Martin

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Education

North Carolina State University,

Raleigh NC, 2021-2023, Master of Education, concentration in Engineering and Technology Education

North Carolina State University, Raleigh NC, 2014-2019, B.S. in Technology, Engineering, and Design Education (Licensure Concentration)

North Carolina School of Science and Mathematics, Durham NC, 2012-2014

Skills and Coursework

Programming Experience: Java, C, Labview, Swift, HTML, Javascript

Software Experience: Eclipse, Gamemaker Github, Adobe Photoshop, Illustrator, InDesign, and Premiere Pro

Proficiency with Microsoft Word, PowerPoint, Excel, and Publisher

CAD Experience: Autodesk Inventor, AutoCAD, Revit, SolidWorks, and TinkerCAD

Fabrication Experience: Band Saw, Scroll Saw, Table Saw, Chop Saw, Belt Sander, Forge, Oxyacetylene Torch, MIG Welder, Arc Welder, Grinder, Plasma Cutter, 3D printer, Vacuum Former, Fiberglass, Solder, Sheet Metal Bending, Acrylic Bending, Wood Burner, Dremel

Special Recognitions

NC State University Education Scholar, 2018

Apple Teacher Certification 2018

Youth Mental Health First Aid Certification, 2016

American Red Cross First Aid Certification and Lifeguard Certification, 2015-2018

Epsilon Pi Tau, North Carolina State University Chapter
University Scholars Program at North Carolina State University

Experience

Explorers Teacher at the Primrose School at Brier Creek, 2020-present

Plan and execute curriculum for school aged children from Kindergarten to Third grade using Primrose School materials, plan activities and manage online schooling for school age children, adapt on the fly to different age levels and ever changing schedules as needed, assist with school work and manage schedule for up to 20 children

STEM Lab Teacher at E.B. Frink Middle School, 2019-2020

Planned lessons for and taught students in 6th-8th grades concepts related to technology, engineering, coding, additive manufacturing, design, and related careers

Curriculum Development for Chester Arthur School, 2018

Developed curriculum to be implemented at Chester Arthur school in the 7th grade, worked with three college students and a professor at the College of New Jersey to develop a full unit comprised of interdisciplinary lessons with the ultimate goal of students designing vertical farming systems

Inter Residence Council at NCSU Vice President of Media and Marketing, 2018

Member of the IRC executive board, responsible for all graphics, marketing, and social media related to IRC; leader of committee for the Pawprint magazine distributed to over 9,000 residents on NC State's campus; assisted with planning and running events for IRC

Research Assistant at the Friday Institute for Educational Innovation, 2016-2017

Coded responses to surveys and interviews, created and organized surveys, studied previously done research

Counselor at Chestnut Ridge Camp and Retreat Center, Efland, NC, 2014-2019

Camp counselor for summer day and residential camp, participated in presentations for families, worked retreat groups and birthday parties for all ages, worked after school program for ages 5-14