WILLIAM BOYLES

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EDUCATION

North Carolina State University *Aug 2018-*

B.S. in Computer Science (Major GPA: 4.0), Minor in Mathematics

University Honors Program, Dean's List

Overall GPA: 4.0

EXPERIENCE

Forsyth Country Day School Summers 2016 - 2019

Engineering Camp Counselor *Lewisville, NC*

· Designed, implented, and taught four one-week curricula of STEM activities for 4th-8th grade students
· Activities included a hurricane house, egg drop, and marshmallow shooter
· Assisted other teachers in educational camps

Pool Professionals Summers 2017-2019

Lifeguard *Winston-Salem, NC*

· Worked closely with co-workers to maintain a safe, clean, and friendly environment for pool patrons of all ages and abilities
· Performed on-site maintainence
· Entrusted with the management of specialized chemicals and equiptment

TECHNICAL SKILLS

· **Java** — In-class and personal experience. Object-oriented with focus on data structures, algorithms, testing, and the SDLC
· **Python** — Personal experience. Objected-oriented and functional with applications in computer vision and data analysis
· **HTML / CSS / JavaScript** — Personal Experience. Focus on best practices and new technologies
· **C / C++** — In-class and personal experience. Focus on program orginaization, console applications and integrated systems

PROJECTS

Lights Out Android Mobile App

· Based on 1990's handheld electronic game, but has more features like customizable board sizes
· Written in Java using Android Studio
· Expected release on Google Play Store by December 2019

wmboyles.com Personal Website

· Personal domain containing resume, detailed projects, and contact info
· All elements self-written without builder tools

RELEVANT COURSEWORK

Data Structures & Algorithms*, Java Programming Concepts, C & Software Tools, Differential Equations, Multi-variable Calculus, Discrete Math