

WILLIAM BOYLES

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EDUCATION

North Carolina State University
B.S. in Computer Science, Minor in Mathematics
University Honors Program, Dean's List, Phi Beta Kappa

2018 - 2022

GPA: 4.0

TECHNICAL SKILLS

Languages: Python | Java | C# | JavaScript | \LaTeX | HTML | CSS | Bash
Technologies: Kubernetes | Docker | Bootstrap | React | Git | Selenium | Jenkins

EXPERIENCE

IBM

Cloud & Cognitive Software Intern

Summer 2020

Research Triangle Park, NC

- Created Python tool to visualize cloud outages and identify root causes in real-time, driving response improvements
- Developed Python Slack bot to provide actionable, on-demand data to outage responders
- Overhauled data pipeline via a technical redesign, increasing speeds by up to 5900%

Forsyth Country Day School

Engineering Camp Counselor

Summers 2016 - 2019

Lewisville, NC

- Designed, implemented, and taught four one-week curricula of STEM activities for 4th-8th grade students
- Hands-on activities included a hurricane house, egg drop, and marshmallow shooter

Pool Professionals

Lifeguard

Summers 2017 - 2019

Winston-Salem, NC

- Collaborated with coworkers to ensure patron safety and site cleanliness
- Entrusted with opening/closing duties and equipment maintenance

PROJECTS

Lights Out

Android Mobile App

- Based on 1990's handheld electronic game, but has more features like dynamic board sizes
- Written in Java using Android Studio with Gradle
- Released for free on Google Play Store for all Android devices

wmboyles.com

Personal Website

- Personal domain containing resume, detailed projects, and contact info
- Overhauled design to use Bootstrap, increasing mobile usability
- Written without hand-holding builder tools

RELEVANT COURSEWORK

Software Engineering | Data Structures & Algorithms | Java | C | Operating Systems | Assembly
Graph Theory | Computational Geometry | Cryptography | Automata, Grammars & Computability | Combinatorics
Linear Algebra | Calculus | Differential Equations | Statistics