WILLIAM BOYLES

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EDUCATION

North Carolina State University   2018 - 2022
B.S. in Computer Science, Minor in Mathematics   *GPA: 4.0*
University Honors Program, Dean's List, Phi Beta Kappa

TECHNICAL SKILLS

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

EXPERIENCE

IBM   Summer 2020
Cloud & Cognitive Software Intern   *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   Summers 2016 - 2019
Engineering Camp Counselor   *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   Summers 2017 - 2019
Lifeguard   *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