WILLIAM BOYLES

wmboyles@wmboyles.com ◇ wmboyles.com
github.com/wmboyles ◇ linkedin.com/in/wmboyles

EDUCATION

North Carolina State University   2018 - 2022
B.S. in Computer Science & Mathematics —— Summa Cum Laude, Valedictorian   *GPA: 4.0*
University Honors Program, CSC Honors Program, Dean's List (8 semesters), Phi Beta Kappa

TECHNICAL SKILLS

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

EXPERIENCE

Microsoft   Summer 2021
Software Engineering Intern   *Redmond, WA*
· Created Azure resources to monitor critical infrastructure for failures, improving response times
· Built monitoring tools in Azure for purchase infrastructure, ensuring government compliance
· Deployed solutions to production and airgapped government clouds

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*

Pool Professionals   Summers 2017 - 2019
Lifeguard   *Winston-Salem, NC*

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
· Built using Jekyll, minimizing code redundancy

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