

School Address
03334 Bagwell Hall
Raleigh, NC 27607

William M. Boyles
wmboyle2@ncsu.edu
(336) 749-6144

Permanent Address
5471 Brookberry Farm Rd.
Winston Salem, NC 27106

EDUCATION

North Carolina State University — Raleigh, NC

August 2018 -

- B.S. in Computer Science (expected May 2022)
- Minor in Mathematics
- Cumulative GPA: 4.2 Major GPA: 4.2
- University Honors Program & Dean's List

EXPERIENCE

Engineering Camp Counselor — Forsyth Country Day School, Lewisville, NC

Summers 2016-2019

- Designed, implemented, and taught four one-week curricula of STEM activities for students. Activities included a hurricane house and egg drop.
- Assisted other teachers in educational camps

Lifeguard — Pool Professionals, Greensboro, NC

Summers 2017-2019

- Worked closely with co-workers to maintain a safe, clean, and friendly environment for pool patrons of all ages and abilities
- Entrusted with specialized chemicals/equipment and site maintenance

SKILLS & CERTIFICATES

Programming Languages

- **Java** — In-class and project experience. Object-oriented, focus on data structures, testing, and SDLC.
- **Python** — Project experience. Object-oriented & functional, focus on computer vision and analysis.
- **HTML / CSS / JavaScript** — Project experience. Focus on best practices in front-end development.
- **C** — In-class experience. Object oriented, focus on lower-level design.

CAD

- Created CAD models and drawings in SolidWorks for use in automotive and aerospace manufacturing.
- Led small team to design and 3D print award-winning functional fishing pole using Fusion 360.

Lifesaving

- Certified by the American Red Cross in Lifeguarding, First Aid, CPR, and AED

PROJECTS

Lights Out — Android Mobile App

August 2019 -

- Based on the 1990's handheld game, but has more features like 1x1 to 10x10 boards.
- Written in Java using Android Studio
- Expected to be available on Google Play Store by December, 2019

wmboyles.com — Personal Website

July 2019 -

- Personal domain containing resume, more projects, and contact info
- All HTML, CSS and JavaScript written without online tools

Multivariable Calculus Summary — Open-source notes

June 2019 -

- Digitized my multivariable calculus notes in LaTeX
- Open-sourced code for community contributions

RELEVANT COURSEWORK (* = currently taking)

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