Present:
2006 Hamilton-Bursley
1931 Duffield St.
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Ben Reeves

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Permanent:
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Naperville, IL
60565

Website: https://bgr360.github.io
 GitHub: https://github.com/bgr360

EDUCATION

University of Michigan   Ann Arbor, Michigan   2019
- Pursuing B.S.E in Computer Science, 4.00 GPA
- Relevant coursework: Programming and Data Structures, Discrete Math, Matrix Algebra

Neuqua Valley High School   Naperville, Illinois   2015
- Graduated, 4.38 GPA (4.0 scale, weighted), *Magna Cum Laude*

SKILLS

- 6 years programming experience, primarily in Java and C++/C#/C
- Working proficiency in Python, Matlab, Lua, HTML, CSS, JavaScript
- Skilled with Git, Unreal Engine 4, Unity3D, Android, Blender, Qt Framework, OpenGL
- Object-Oriented Programming and utilization of large-scale APIs (Android Framework, Unreal Engine 4)

EXPERIENCE

Undergraduate Researcher   Sept. 2015   Present
University of Michigan, Department of Industrial and Operations Engineering
- Independently developing a 3D visualization and simulation software to aid city officials in planning and scheduling large-scale emergency evacuations for major metropolitan cities (Sydney, New Orleans, Ann Arbor, etc.).
- Establishing collaborative communication through student-mentor relationship.

Team Coach, Programmer, and Builder   Sept. 2014   Apr. 2015
VEX Robotics Team #2360N, Neuqua Valley High School
- Enhanced interpersonal engineering skills while working in a team of 6 students to design, build, code, and operate an award-winning VEX robot.
- Improved the cascading lift design for the robot by implementing a new, more effective construction.
- Independently designed, programmed, and tested a computer simulation of the robot in order to help team stand out during judging at the VEX national competition.

Delivery Dispatcher, Phone Worker, and Bus Boy   Jul. 2014   Present (Off-Season)
Lou Malnati's Pizzeria, Naperville, Illinois
- Independently developed an Android application in order to double the efficiency of dispatching deliveries.
- Organized and dispatched roughly 100 delivery orders per night.

VOLUNTEER EXPERIENCE

M.E.Z. Mentor   Jan. 2016   Present
Michigan Engineering Zone, Detroit, Michigan
- Facilitating "coopertition," learning, fun, and safety amongst high-schoolers on FIRST Robotics teams.

Church Volunteer   Jan. 2009   Sept. 2015
Community Christian Church, Naperville, Illinois
- Led a small group of 4th and 5th grade boys every Sunday morning by facilitating small group activities.
- Played electric guitar on stage during youth group services.

PERSONAL PROJECTS

Professional Website [bgr360.github.io]   Jan. 2016   Present
- Learned the basics of HTML5 web development and designed my own static website hosted by GitHub Pages.

24-Card Solver   Dec. 2015   Jan. 2016
- Developed an algorithm for solving 24-Cards that is 4.6 times as efficient as the "brute-force" algorithm.

"Bengine" Game Engine   Feb. 2015   Aug. 2015
- Gained knowledge of 3D computer graphics in OpenGL/C++ by coding a home-made 3D game engine.