

Present:
2006 Hamilton-Bursley
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Ben Reeves

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Permanent:
2384 Bennington Ct.
Naperville, IL
60565

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, and Lua
- 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

“Battleship With Bros” Android App **Jan. 2016 Present**
• Working with a friend to develop and publish a 2-player Battleship app similar to Words With Friends.

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.