Present:

2006 Hamilton-Bursley 1931 Duffield St. Ann Arbor, MI, 48109

Ben Reeves

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Permanent: 2384 Bennington Ct. Naperville, IL 60565

https://www.linkedin.com/pub/ben-reeves/106/982/323

EDUCATION

University of Michigan Ann Arbor, Michigan

2019

- Pursuing B.S.E in Computer Science
- Relevant coursework: Matrix Algebra, Accelerated Intro to Computers & Programming

Neuqua Valley High School Naperville, Illinois

2015

- Graduated 4.38 GPA (4.0 scale, weighted), Magna Cum Laude.
- Relevant coursework: AP Computer Science A, Digital Electronics, Principles of Engineering

SKILLS

- 6 years programming experience in Java, C++/C#/C, Lua, Mathematica, and XML
- Familiar with Git, OpenGL, Unity3D, Unreal Engine, Blender, Qt framework, Android
- Comfortable with DOS and UNIX based systems; command-line and GUI

EXPERIENCE

Undergraduate Researcher

Sept. 2015 Present

University of Michigan, Department of Industrial and Operations Engineering

• Independently developing a compelling, feature-full, and interactive 3D visualization for Professor Pascal Van Hentenryck's large-scale evacuation planning algorithm.

Team Coach, Programmer, and Builder

Sept. 2014 Apr. 2015

VEX Robotics Team #2360N, Neuqua Valley High School

- Enhanced interpersonal 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.
- Oversaw inter-team alliance strategy and directed drivers during gameplay at the VEX national competition, helping lead the team to victory, tying for 3rd place out of 182 teams.

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.

Church Volunteer

Jan. 2009 Present (Off-Season)

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

T-Shirt Music Analyzer

Mar. 2015 Present

• Researching various methods of using Arduino microcontroller to perform digital signal processing on music in order to display results on a T-Shirt-mounted LED spectrum analyzer.

"Bengine" Game Engine

Feb. 2015 Present

• Developing extensive knowledge of 3D computer graphics in OpenGL and C++.

Altoids Guitar Amp

May 2011 Aug. 2011

Improved soldering skills and researched amplifier circuits to build a miniaturized guitar amplifier.