Present:
1683 Broadway St.
Apartment 304
Ann Arbor, MI, 48105

Ben Reeves

bgreeves@umich.edu
(630)-730-3444

Permanent:
2384 Bennington Ct.
Naperville, IL
60565

Website: https://bgr360.github.io
 GitHub: https://github.com/bgr360
LinkedIn: https://www.linkedin.com/in/ben-reeves-323982106

OBJECTIVE

To find an energetic, collaborative workspace in Chicago where my uniquely gifted skill set will be fully valued and allowed to work freely.

EDUCATION

University of Michigan   Ann Arbor, Michigan
Pursuing B.S.E in Computer Science, 3.78 GPA
Coursework: Data Structures and Algorithms, Discrete Math, Matrix Algebra

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

SKILLS

7 years programming experience; fluent in C++, Java, JavaScript
Working proficiency in Python, Matlab, C#, C, Lua, HTML, CSS
Skilled with Git, Android, Node.js, Cesium.js, Qt Framework, Angular.js, OpenGL
Familiar with Spring Framework, Unity3D, Bootstrap, Ionic, Redis, MongoDB

EXPERIENCE

Lead Visualizations Programmer / **Mobile App Developer** / **Backend Developer**   Sept. 2015 – Present
University of Michigan Transportation Optimization Lab

- Designed and programmed more than ten 3D visualizations using Cesium.js.
- Prepared compelling video presentations of the visualizations to present to important figureheads.
- Developed native Android location-tracking code for the official University of Michigan mobile app.
- Implemented the backend chain for the location tracking app (Spring app server → Redis queue → MongoDB)
- Wrote numerous Node.js scripts to process and analyze data acquired from the Ann Arbor Transit Authority and the University of Michigan Parking & Transportation Services.

Delivery Dispatcher, Phone Worker, and Bus Boy   Jul. 2014 – Aug. 2015
Lou Malnati's Pizzeria, Naperville, Illinois

- Independently developed an Android application in order to double the efficiency of dispatching delivery orders.
- Organized and dispatched roughly 100 delivery orders per night.

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

asIDE   Homemade Assembly IDE   Mar. 2016 – May 2016
 Used the Qt C++ library to write a cross-platform IDE text editor with syntax highlighting and autocompletion.
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.