

Austin Russell

Bachelor of Science graduate in computer science with knowledge of Object-Oriented Programming seeking to use my development, problem-solving, and teamwork skills to contribute to creating new and exciting software solutions.

SKILLS

- Java, C, C++, Python, SQL, Unity, Git, HTML/CSS, Javascript.
- Strong foundations in Object-Oriented Programming principles.
- Strong teamwork, communication, and problem-solving skills.
- Skilled in critical thinking, leadership, and a quick learner.

EDUCATION

University of Maryland, College Park, MD — *Computer Science, Bachelor's*

August 2016 - May 2020

- Computer Networks, **BitTorrent Client**
 - Utilized C++ on Linux in collaboration with 3 students to create a torrent client that could send a file from one user to another.
 - Encoded and decoded file data in order to send data over secure peer connections.
 - Wrote the class for the peer connections and tested all aspects of the program.
- Advanced Data Structures, **MX-CIF Quadtree**
 - Wrote a C program to create an MX-CIF Quadtree data structure.
 - Takes in 4 values for a rectangle from the command line and creates a tree structure with 4 nodes for NE, NW, SE, and SW. These regions are repeatedly split down until obtaining blocks with no rectangles, greatly reducing the time needed to find intersecting rectangles.

PROJECTS

- Responsive Website, *In Progress*
 - Utilized HTML, CSS Grid and FlexBox to make a documentation site with multiple pages for a fake technology.
 - Created each page to react responsively based on the screen size of the device viewing the website.
- Blog Website, *In Progress*
 - Utilizing GraphQL/GraphCMS, React, Next.JS, and TailwindCSS to create a blog post website.
 - Blog posts with local storage for users and emails, as well as comments submitted to GraphCMS for review
 - Learned about and used new technologies and how they can work together.