NATHAN CLARK
COMPUTER SCIENCE STUDENT

EDUCATION

THE KINGS UNIVERSITY
Computer Science Major
Business Minor
Graduating in 2025
3rd year GPA 3.1

CAPENWRAY HARBOR BIBLE SCHOOL
Theology Certificate 2021

RELEVENT COURSES

- Web Application Design
- Software Engineering
- Algorithms Analysis
- Real Time Animation and Game Design
- Object Oriented Programming
- Operating systems
- Software Testing and Security

CONTACT

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Cell: (780)716-5450

BACKGROUND

I'm seeking summer employment to gain industry experience and fulfill practicum credits. If hired, you'll receive a dedicated and hardworking employee willing to put in the effort to get the job done. I am tasked focused and can work well independently and collaboratively. I am a strong programmer, communicator and proficient in computer operations. I aim to enhance my programming skills, and gain insights into the business side of software development while working for you.

SUMMERY OF SKILLS

- Educated in software programming, design, Engineering, GUI development, and testing. Including the V-model and Agile Development
- *Experienced with several software languages including languages with Object-Oriented features.*
  - **Languages:** Java, C++, HTML, CSS, OpenGL, GLUT, Sage, MySQL
- *Experienced with Microsoft Windows 10 and office applications including Docs, Excel, Power Point*
- *Entry Level experience in Junit, ANT, and GitHub.*
- *Educated in Business models, Marketing, HR Management, and Systems Design*

PREVIOUS WORK EXPERIENCE

CAMP CAROLINE SEASONAL STAFF
Seasonal (JUNE 2021 – AUGEST 2023)
Outdoor Maintenance 2021:
 I was responsible for grounds keeping and other property upkeep jobs around camp.
Challenge Course Leader in 2022 - 2023:
 I was responsible for setting up and leading ropes activities like ziplines, high ropes course, climbing wall, and giant swing.
 Was responsible for the safety and education of the children in using high ropes equipment.

SEASONAL IMPACT LANDSCAPE LABORER
Seasonal (April 2022-June 2023)
 I did general landscaping construction work and other general outdoor maintenance.

LAWN MAINTENANCE, PRIVATE RESIDENCE
Seasonal (JUNE 2020 - SEPT 2020)
 Responsible for general lawn care, including lawn mowing, lawn edging and pulling weeds.
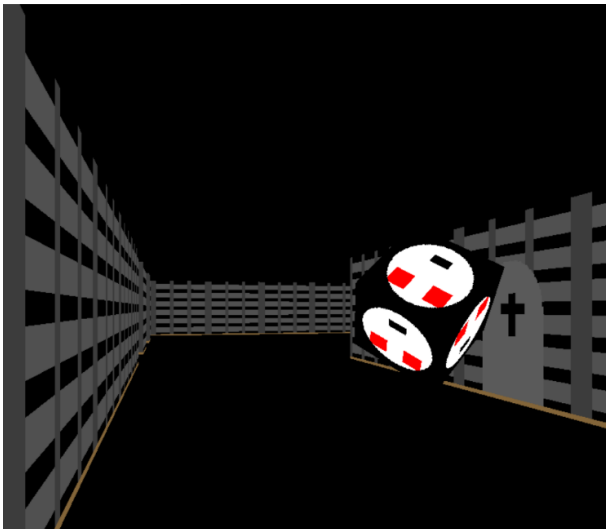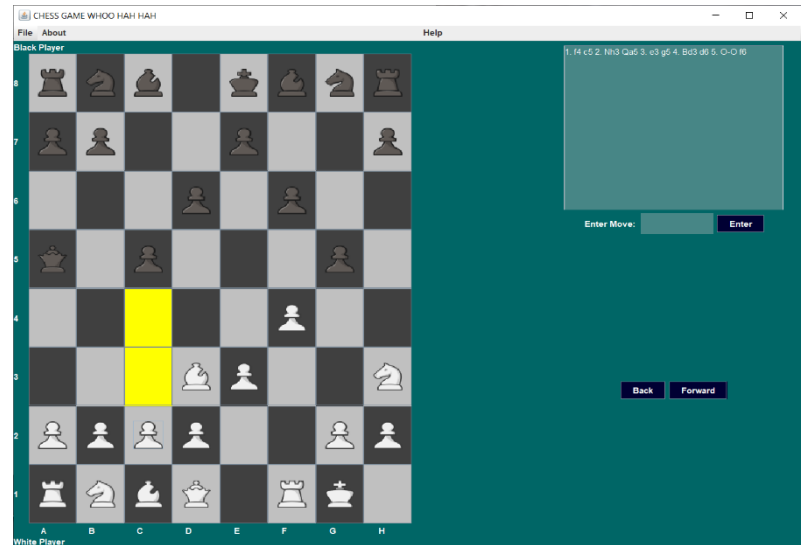
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Code Projects

Chess Group Project

I took part in a Group project in a Software Engineering class where we were tasked to create a chess game. I created the UI for our game using Java Components. The UI is very easy to navigate and is inviting for player of all skill levels. If given more time I would have liked to add a way for users to select and change colours / style of the display

3D
Textured Maze

I had an assignment in a Graphics and Game development class to create a 3D explorable maze, I created my maze with OpenGL and GLUT and added textures to create a "Haunted" look to it. I am proud with the texture's appearance adding the atmosphere If I was given more time, I would have liked to add a projectile where if the tombstones were broken it would change the layout of the maze.

Data Analysis

In a algorithms analysis class, I had an assignment to compare AVL trees vs Binary search tree height. This assignment was meant to determine which tree would take less memory space through inputting large quantities of random data ten thousand times. I had the program print the data to a CSV file, to be sorted and analyzed in Microsoft Excel. I sorted all the data, graphed it, then reported my findings. Analysis resulted in AVL trees having a lower tree height requiring less storage space.

What I've learned in Business Courses

While studying at Kings, decided to take up a minor in business. The topic interested me, and I believed it would be helpful to know how the business side of organizations works as well as the technical side of computer science. Business classes have taught me much about how to work on a team through group projects and classes such as Organizational Behavior and Management. I've also learned entry level marketing, HR management, and entry level accounting.

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VOLENTEER WORK

Youth Group Leader

(2021- present)

I have had the opportunity to volunteer as a Jr High boys youth leader at my church on Wednesday evenings. In this group my responsibilities include, interacting with kids from the community, leading small group discussions with Jr High boys, and helping run games and activities on Fridays once a month.

Church Worship Team

(2019- 2023)

I am skilled in music and can play the drums, with these skills I was able to play on a worship team with my church. During my time volunteering in worship, I learned more about how to work together on a team to create music.

References

Ben Kroker (Youth Pastor at Steele Hights Baptist Church)

Cell: (403)-971-7691, Email: ben@shbc.ca

Tony Engeler (Director of Camps and Retreats at Camp Caroline)

Cell: (403)-370-7314, Email: tony@campcaroline.ab.ca

Madeline Litez (Supervisor / Program Team Leader at Camp Caroline)

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