**Ammar Assi**

**Backend developer**

**ammar\_2018@hotmail.com | 056-951-1569 | LinkedIn: Ammar Assi | Palestine, Nablus | Github**

**Summary**

I am a student at An-Najah University with a major in Computer Science. My goal is to use my skills and experience where they're valued to achieve success on the personal level and on company's. I enjoy solving technical problems, researching, developing new technologies, and designing software applications for different platforms. I'm a great people person with strong customer service as I always interact with different customers through my father's work. I excel in my ability to work under pressure and handle stressful situations very well. Assisted over 200 colleagues during the Corona outbreak on my YouTube channel.

**Projects**

* Developed and deployed multiple games on the Microsoft Azure Cloud Virtual Machines like Chess and Checkers games, used TCP and UDP protocols; the games are accessible from different computers. (source) (Auguest 2022)
* Simulated 3D Objects and popular 2D simulations and animations such as Prey and Predator, Game of Life simulations, and sorting algorithms, Coded in C++, OpenGL, Java, and Python. (source) (Martch 2022)
* Applied AI and Machine Learning into Tic-Tac-Toe and Flappy Bird games, used the mini-max algorithm for Tic-Tac-Toe that generated unbeaten AI.  
  With Machine Learning technics, birds in Flappy Bird game managed to learn by themselves and master the game. (source) (February 2021 - Martch 2021, October 2022)
* Developed Shortest Path algorithms and implemented a friendly user interface to design custom mazes; with a simple click, you can visually observe how each algorithm functions and how the perfect path is chosen. (source) (October 2020)
* Wrote a complete software app with a complete set of documentation, requirements, and software diagrams. Implemented for Android system using Java programming language and an external database called Firebase. The system is a true mock of the municipality of Nablus Library. (April 2021- June 2021)

**Professional Experience**

Over 8 years of freelancing work with so many different teams in various areas and constructions in both tiling and constructions. (June 2014 - September 2022)

**Education**

An-Najah National University | Bachelor's Degree in Computer Science

GPA: 3.37 / 4

**Skills**

Azure Cloud Computing | Android Development | Data Structure | OOP | ML & AI | Git & Github Networking | Python | C++ | Java | TCP | UDP

**Languages**

Arabic

English